

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 15392-16133

(Note: This form and process do not replace the procedures described in JPL Policy relating to review and approval of proposals and contractual documents. This process is intended to document the review and coordination of requests to ascertain the export control ramifications relating to specific documents. Export Administration signature does not convey authority to export or release the "Exporter of Record" from any export laws or regulations.)

Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Sep-16-2013

Document Title/Description: ISSM changes from revision 15392 to revision 16133

Release to: <http://issm.ess.uci.edu/svn/issm/issm/trunk> on ISSM svn repository

JPL Intranet: murdo.jpl.nasa.gov/proj/ice/larour/issm-uci/trunk-jpl

Disposition: 6 Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).

Comments: see table of changes below.

Reviewed by ISSM Export Transfer Liaison: Dr. Eric Larour **Date:** Sep-16-2013

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
 - 2: Qualifies for ITAR Exemption
 - 3: Covered by Department of State License/Agreement Number
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 - 5: New License Required
 - 6: Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).
 - 7: Other (specify)
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Change #1 with diff file ISSM-15392-15393.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: increasing version number before syncing trunk

Change #2 with diff file ISSM-15395-15396.diff:

Function name:

M /issm/trunk-jpl

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-15397-15398.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/src M /issm/trunk-jpl/test

Export determination: 6.

Rationale: Block revision 15396 from being merged into trunk-jpl

Change #4 with diff file ISSM-15398-15399.diff:

Function name:

M /issm/trunk-jpl/src/dox/issm.dox

Export determination: 6.

Rationale: CHG: updating number of lines of code

Change #5 with diff file ISSM-15399-15400.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_gridded.m

Export determination: 6.

Rationale: CHG: always force colormap when plot_gridded is on, and do not add white

Change #6 with diff file ISSM-15400-15401.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_gridded.m

Export determination: 6.

Rationale: CHG: default color should be white

Change #7 with diff file ISSM-15401-15402.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Icefront.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Create

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/mask.m

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/IcelevelsetEnum.m

M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m

Export determination: 6.

Rationale: NEW: start to work on dynamic ice front

Change #8 with diff file ISSM-15403-15404.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: FIX: trying to fix python

Change #9 with diff file ISSM-15404-15405.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/cloud.m M /issm/trunk-jpl/src/m/classes/clusters/pfe.m

Export determination: 6.

Rationale: CHG: update to write output

Change #10 with diff file ISSM-15405-15406.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/pfe.m

Export determination: 6.

Rationale: CHG: revert pfe

Change #11 with diff file ISSM-15406-15407.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: FIX: temporary minor

Change #12 with diff file ISSM-15407-15408.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp

Export determination: 6.

Rationale: BUG:Solving some memory leaks

Change #13 with diff file ISSM-15408-15409.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: FIX: fixed python mask

Change #14 with diff file ISSM-15409-15410.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
Export determination: 6.
Rationale: BUG: Fixing Memory Leaks

Change #15 with diff file ISSM-15410-15411.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
Export determination: 6.
Rationale: BUG:Leak Fixing

Change #16 with diff file ISSM-15411-15412.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.py
Export determination: 6.
Rationale: FIX: mask hopefully working in python now

Change #17 with diff file ISSM-15412-15413.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
Export determination: 6.
Rationale: BUG:fixing Leaks

Change #18 with diff file ISSM-15413-15414.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.m
Export determination: 6.
Rationale: FIX: do not use last two columns of icefront

Change #19 with diff file ISSM-15414-15415.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.m A /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m
D /issm/trunk-jpl/src/m/contrib/paraview/writeVTKcell.m
Export determination: 6.

Rationale: CHG:change of the vtk eport routine name

Change #20 with diff file ISSM-15415-15416.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp

Export determination: 6.

Rationale: BUG: fixed memory leak

Change #21 with diff file ISSM-15416-15417.diff:

Function name:

M /issm/trunk-jpl/scripts/tai M /issm/trunk-jpl/scripts/vil

Export determination: 6.

Rationale: CHG: tai works even if EXECUTION_DIR is undefined

Change #22 with diff file ISSM-15417-15418.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Inputs/CMakeLists.txt M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput

M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.

A /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp (from /issm/trunk-jpl/src/c/classes/Inputs/PentaP1In

A /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h (from /issm/trunk-jpl/src/c/classes/Inputs/PentaP1In

D /issm/trunk-jpl/src/c/classes/Inputs/PentaP1Input.cpp D /issm/trunk-jpl/src/c/classes/Inputs/PentaP1In

M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h

M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp M /issm/trunk-

jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/classes.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: removed PentaP1Input and created PentaInput for quadratic elements

Change #23 with diff file ISSM-15418-15419.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/PentaInputEnum.m

A /issm/trunk-jpl/src/m/enum/QmuMaterialsRheologyBEnum.m A /issm/trunk-

jpl/src/m/enum/QmuVxMeshEnum.m A /issm/trunk-jpl/src/m/enum/QmuVyMeshEnum.m
A /issm/trunk-jpl/src/m/enum/QmuVzMeshEnum.m
Export determination: 6.
Rationale: CHG: sync'ed Enums

Change #24 with diff file ISSM-15419-15420.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h
Export determination: 6.
Rationale: CHG: elements and edges are now permanent fields for IoModel

Change #25 with diff file ISSM-15420-15421.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStokesEnum.h
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/FlowequationFeStokesEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m
Export determination: 6.
Rationale: NEW: starting stokes stabilization implementation

Change #26 with diff file ISSM-15421-15422.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
Export determination: 6.
Rationale: CHG: moved Element and Vertex partitioning to CreateDataSets

Change #27 with diff file ISSM-15422-15423.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: FIX: minor

Change #28 with diff file ISSM-15423-15424.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/CreateNodesBalancethickness.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/UpdateElementsBalancethickness.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/UpdateElementsBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNumberNodeToElementConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateSingleNodeToElementConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateConstraintsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateConstraintsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/UpdateElementsGia.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateLoadsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateConstraintsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateLoadsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp

Export determination: 6.

Rationale: CHG: dim can now be retrieved directly in iomodel

Change #29 with diff file ISSM-15424-15425.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.4-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades.sh

Export determination: 6.

Rationale: CHG: using petsc 3.4.2, new release for 3.4

Change #30 with diff file ISSM-15425-15426.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h

Export determination: 6.

Rationale: CHG: adding Stokes P1 GLS

Change #31 with diff file ISSM-15426-15427.diff:

Function name:

D /issm/trunk-jpl/externalpackages/cm_and_cb_utilities

Export determination: 6.

Rationale: DEL: package not needed anymore

Change #32 with diff file ISSM-15427-15428.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/verbose.m

Export determination: 6.

Rationale: CHG: edit documentation for verbose

Change #33 with diff file ISSM-15428-15429.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

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M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateConstraintsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/UpdateElementsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateConstraintsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateConstraintsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateNodesEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/CreateNodesGia.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/UpdateElementsGia.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateLoadsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateNodesHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateNodesHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateNodesHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateLoadsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateLoadsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateNodesPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateLoadsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateNodesThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Transient/UpdateElementsTransient.cpp
M /issm/trunk-jpl/src/c/wrappers/MeshPartition/MeshPartition.cpp

Export determination: 6.

Rationale: NEW: mesh properties (elements,dim,numberofvertices,...) are now Iomodel fields and fetch in the constructor. This cleans up ModelProcessor and will ease the implementation of quadratic elements

Change #34 with diff file ISSM-15429-15430.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp

Export determination: 6.

Rationale: CHG: changes to optimize the ADOLC model runs

Change #35 with diff file ISSM-15430-15431.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/IoModel.cpp

M /issm/trunk-jpl/src/c/classes/IoModel.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateLoadsPrognostic.cpp

Export determination: 6.

Rationale: NEW: create edges on the fly instead of relying on md.mesh.edges

Change #36 with diff file ISSM-15431-15432.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/inversion.m

Export determination: 6.

Rationale: CHG: added constructor for inversion

Change #37 with diff file ISSM-15432-15433.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/mesh.m

M /issm/trunk-jpl/src/m/classes/mesh.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m D /issm/trunk-jpl/src/m/enum/MeshEdgesEnum.m D /issm/trunk-jpl/src/m/enum/MeshNumberofedgesEnum.m

D /issm/trunk-jpl/src/m/enum/PentaP1InputEnum.m

Export determination: 6.

Rationale: CHG: no need to marshall edges, they are constructed on the fly

Change #38 with diff file ISSM-15433-15434.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElement.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/mesh.m
M /issm/trunk-jpl/src/m/classes/mesh.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m D /issm/trunk-jpl/src/m/enum/MeshElementConnectivityEnum.m

Export determination: 6.

Rationale: CHG: tria's do not need neighbors' ids, so do not need to marshall
md.mesh.elementconnectivity

Change #39 with diff file ISSM-15434-15435.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: BUG: fixed icefrontlevelset problem in python

Change #40 with diff file ISSM-15435-15436.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/classes/IoModel.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp (from /issm/trunk-jpl/src/c/modules/ModelProcessorx/ProcessMesh2d.cpp:15434) A /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementToEdgeConnectivity.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateSingleNodeToElementConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateLoadsPrognostic.cpp

Export determination: 6.

Rationale: CHG: split ProcessMesh2d into CreateEdges and CreateElementToEdgeConnectivity

Change #41 with diff file ISSM-15436-15437.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
Export determination: 6.
Rationale: NEW: working on Stokes stabilized

Change #42 with diff file ISSM-15437-15438.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/FlowequationFeSsaEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumb

Export determination: 6.

Rationale: NEW: added md.flowequations.fe_ssa (0=P1, 1=P2), quadratic ele-
ments not working yet of course

Change #43 with diff file ISSM-15438-15439.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: FIX: fixed stokes

Change #44 with diff file ISSM-15439-15440.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/Hook.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/classes/Nodes.cpp
M /issm/trunk-jpl/src/c/classes/Nodes.h M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObj
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementToEdgeConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

Export determination: 6.

Rationale: CHG: some bug fix for quadratic elements

Change #45 with diff file ISSM-15440-15441.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: CHG: Modification to \$ISSM_DIR/src/wrappers/matlab/Makefile.am
for shared library build.

Change #46 with diff file ISSM-15441-15442.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: some bug fix for quadratic elements

Change #47 with diff file ISSM-15442-15443.diff:

Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt D /issm/trunk-jpl/src/c/analyses/CMakeLists.txt

D /issm/trunk-jpl/src/c/bamg/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/Constraints/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/ElementResults/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/Elements/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/ExternalResults/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/Inputs/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/Loads/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/Materials/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/Options/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/Params/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/gauss/CMakeLists.txt

D /issm/trunk-jpl/src/c/classes/kriging/CMakeLists.txt D /issm/trunk-jpl/src/c/classes/matrix/CMakeLists.txt

D /issm/trunk-jpl/src/c/kml/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/AverageFilterx/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/BamgConvertMeshx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/BamgTriangulatex/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/Bamgx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/Chacox/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/ComputeBasalStress/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/ComputeStrainRate/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/ConfigureObjectx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/ConstraintsStatex/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/ContourToMeshx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/ContourToNodesx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/ControlInputGetGradient/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/ControlInputScaleGradientx/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx/CMakeLists.txt D

/issm/trunk-jpl/src/c/modules/CreateNodalConstraintx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/Delta18oParameterizationx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/DragCoefficientAbsGradientx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/EdgeDetectionx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/ElementConnectivityx/CMakeLists.txt

D /issm/trunk-jpl/src/c/modules/Exp2Kmlx/CMakeLists.txt D /issm/trunk-

jpl/src/c/modules/GetSolutionFromInputx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/GetVectorFromInputx/CMakeLists.txt

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jpl/src/c/modules/GiaDeflectionCorex/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/Gradjx/CMakeLists.txt

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jpl/src/c/modules/InterpFromMeshToGridx/CMakeLists.txt D /issm/trunk-jpl/src/c/modules/InterpFromMe
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D /issm/trunk-jpl/src/c/modules/IoModelToConstraintx/CMakeLists.txt D /issm/trunk-
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/issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CMakeLists.txt D
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Export determination: 6.

Rationale: CHG: Deleted most CMakeLists.txt to resemble Makefile.am structure. More changes to follow.

Change #48 with diff file ISSM-15443-15444.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fixed bad index for edges

Change #49 with diff file ISSM-15444-15445.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG:fixxing memory leaks

Change #50 with diff file ISSM-15445-15446.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/diagnostic.m

Export determination: 6.

Rationale: NEW: check that stokesreconditioning is 0 is stokes is used

Change #51 with diff file ISSM-15446-15447.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp

Export determination: 6.

Rationale: BUG: fixed P2 basis functions

Change #52 with diff file ISSM-15447-15448.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: FIX: problem with stabilization indexing

Change #53 with diff file ISSM-15448-15449.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor

Export determination: 6.

Rationale: BUG: fixed spc pb for quadratic elements. Only works for StaticSpc
for now

Change #54 with diff file ISSM-15449-15450.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp
Export determination: 6.
Rationale: BUG: Fixing Memory Leak

Change #55 with diff file ISSM-15450-15451.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.cpp M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/UpdateElementsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp

Export determination: 6.

Rationale: CHG: iomodel->numerofoelements now always available

Change #56 with diff file ISSM-15451-15452.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

Export determination: 6.

Rationale: CHG: spc vz only for FS

Change #57 with diff file ISSM-15452-15453.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp

Export determination: 6.

Rationale: CHG: ice front now working for quadratic elements

Change #58 with diff file ISSM-15453-15454.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.cpp

Export determination: 6.

Rationale: CHG: preparing Newton for P2 elements

Change #59 with diff file ISSM-15454-15455.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: minor

Change #60 with diff file ISSM-15455-15456.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: CHG: added doc

Change #61 with diff file ISSM-15456-15457.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp

Export determination: 6.

Rationale: BUG:Fixed Shreve Nightly run

Change #62 with diff file ISSM-15457-15458.diff:

Function name:

M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp

Export determination: 6.

Rationale: CHG: removed duplicate for tf_old, use pointer copy instead

Change #63 with diff file ISSM-15458-15459.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: CHG: express nodal function derivatives as functions of area coordinates

Change #64 with diff file ISSM-15459-15460.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model/model.m
Export determination: 6.
Rationale: CHG: collapse vertexonrock mask if not nan

Change #65 with diff file ISSM-15460-15461.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test121.m M /issm/trunk-jpl/test/NightlyRun/test121.py
Export determination: 6.
Rationale: CHG: relazing tolerances

Change #66 with diff file ISSM-15461-15462.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/classes/IoModel.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethick
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateNodesBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/EdgesPartitioning.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateNodesEnthalpy.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorx/Gia/CreateNodesGia.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateNodesHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateNodesHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateNodesHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-
jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp M /issm/trunk-jpl/src/c/modules/ModelProcesso
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateNodesThermal.cpp
Export determination: 6.
Rationale: CHG: no need to call NodesPartitioning if Continuous Galerkin, +
added EdgesPartitioning

Change #67 with diff file ISSM-15462-15463.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.

Rationale: CHG: minor useless inputs

Change #68 with diff file ISSM-15463-15464.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CGH: simpler indexing

Change #69 with diff file ISSM-15464-15465.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateNodesBedSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Di

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateNodesEnthalpy.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/CreateNodesGia.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateNodesHydrologyDCEfficient.c

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateNodesHydrologyDCIneffi

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateNodesHydrologyShreve.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/Prognostic/CreateNodesPrognostic.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/SortDataSets.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateNodesThermal.cpp

Export determination: 6.

Rationale: CHG: simpler way of creating new nodes

Change #70 with diff file ISSM-15465-15466.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/CreateConstraintsBalancethickness.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/CreateLoadsBalancethickness.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateConstraintsBedSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateLoadsBedSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateConstraintsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateLoadsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateConstraintsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateLoadsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateConstraintsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateLoadsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/CreateConstraintsGia.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/CreateLoadsGia.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateConstraintsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateLoadsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateConstraintsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateConstraintsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateLoadsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateConstraintsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateLoadsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateConstraintsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateLoadsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateConstraintsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateLoadsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateConstraintsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateLoadsThermal.cpp

Export determination: 6.

Rationale: CHG: no need to create loads or constraints if pointer is NULL, this is done by CreateDatasets

Change #71 with diff file ISSM-15466-15467.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: minor use NUMVERTICES directly

Change #72 with diff file ISSM-15467-15468.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: minor

Change #73 with diff file ISSM-15468-15469.diff:

Function name:

M /issm/trunk-jpl/CMakeLists.txt A /issm/trunk-jpl/m4/issm_options.cmake

M /issm/trunk-jpl/src/c/CMakeLists.txt

Export determination: 6.

Rationale: CHG: Modified CMake files to account for conditional build up of ISSM source code. Added CMake macro file.

Change #74 with diff file ISSM-15469-15470.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive280.nc M /issm/trunk-jpl/test/NightlyRun/IdToName.m

M /issm/trunk-jpl/test/NightlyRun/IdToName.py A /issm/trunk-jpl/test/NightlyRun/test280.m

A /issm/trunk-jpl/test/NightlyRun/test280.py

Export determination: 6.

Rationale: NEW: added SSA P2 test

Change #75 with diff file ISSM-15470-15471.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.c

Export determination: 6.

Rationale: CHG: cosmetics

Change #76 with diff file ISSM-15471-15472.diff:

Function name:

M /issm/trunk-jpl/configs/config-macosx64-nicole.sh

Export determination: 6.

Rationale: CHG: update mac

Change #77 with diff file ISSM-15472-15473.diff:

Function name:

D /issm/trunk-jpl/configs/config-macosx64-nicole.sh M /issm/trunk-jpl/configs/config-macosx64.sh

Export determination: 6.
Rationale: CHG: new standard mac script for nightlies mac is config-macosx64.sh

Change #78 with diff file ISSM-15473-15474.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: NEW: implementing Franca et al stabilization

Change #79 with diff file ISSM-15474-15475.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: FIX: trying to fix stabilization

Change #80 with diff file ISSM-15475-15476.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: fixing CreatePVector with GLS stabilization

Change #81 with diff file ISSM-15476-15477.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
Export determination: 6.
Rationale: minor

Change #82 with diff file ISSM-15477-15478.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: minor

Change #83 with diff file ISSM-15478-15479.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: element matrix and vector similar to Elmer

Change #84 with diff file ISSM-15479-15480.diff:
Function name:
M /issm/trunk-jpl/configs/config-macosx64.sh
Export determination: 6.
Rationale: CHG: update fortran

Change #85 with diff file ISSM-15480-15481.diff:
Function name:
M /issm/trunk-jpl/CMakeLists.txt M /issm/trunk-jpl/m4/issm_options.cmake
M /issm/trunk-jpl/src/c/CMakeLists.txt
Export determination: 6.
Rationale: CHG: Further modifications relating to CMake build.

Change #86 with diff file ISSM-15481-15482.diff:
Function name:
A /issm/trunk-jpl/configs/config-linux64-cmake.sh
Export determination: 6.
Rationale: ADD: Added a configuration script for CMake build. Very early version of this script.

Change #87 with diff file ISSM-15482-15483.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/taoinversion.m
Export determination: 6.
Rationale: BUG: vxobs and vyobs need to be converted to m/s

Change #88 with diff file ISSM-15483-15484.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/control_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: minor

Change #89 with diff file ISSM-15484-15485.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.h

M /issm/trunk-jpl/src/c/modules/ModelProcessox/Balancethickness/CreateConstraintsBalancethickness.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/HydrologyDCEfficient/CreateConstraintsHydrologyDCEfficient.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/HydrologyDCInefficient/CreateConstraintsHydrologyDCInefficient.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/HydrologyShreve/CreateConstraintsHydrologyShreve.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/Prognostic/CreateConstraintsPrognostic.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/Thermal/CreateConstraintsThermal.cpp

Export determination: 6.

Rationale: CHG: Enabling P2 constraints

Change #90 with diff file ISSM-15485-15486.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: mass matrix is now dynamically allocated for P2 elements

Change #91 with diff file ISSM-15486-15487.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: mass matrix is now dynamically allocated for P2 elements

Change #92 with diff file ISSM-15487-15488.diff:

Function name:

A /issm/trunk-jpl/src/mobile/web A /issm/trunk-jpl/src/mobile/web/ISSM.html

A /issm/trunk-jpl/src/mobile/web/css A /issm/trunk-jpl/src/mobile/web/css/animate.css

A /issm/trunk-jpl/src/mobile/web/css/images A /issm/trunk-jpl/src/mobile/web/css/images/animated-
 overlay.gif A /issm/trunk-jpl/src/mobile/web/css/images/border.png A /issm/trunk-
 jpl/src/mobile/web/css/images/globe.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-
 bg_diagonals-thick_18_b81900_40x40.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-
 bg_diagonals-thick_20_666666_40x40.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-
 bg_flat_0_aaaaaa_40x100.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-
 bg_flat_10_000000_40x100.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-
 bg_flat_75_ffff_40x100.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-bg_glass_100_f6f6f6_1x400.png
 A /issm/trunk-jpl/src/mobile/web/css/images/ui-bg_glass_100_fdf5ce_1x400.png
 A /issm/trunk-jpl/src/mobile/web/css/images/ui-bg_glass_55_fb9ee_1x400.png
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 /issm/trunk-jpl/src/mobile/web/css/images/ui-bg_glass_95_fef1ec_1x400.png A
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 A /issm/trunk-jpl/src/mobile/web/css/images/ui-bg_highlight-soft_75_cccccc_1x100.png
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 icons_454545_256x240.png A /issm/trunk-jpl/src/mobile/web/css/images/ui-icons_888888_256x240.png
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 icons_ffff_256x240.png A /issm/trunk-jpl/src/mobile/web/css/jquery-ui-1.10.3.css
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 overlay.gif A /issm/trunk-jpl/src/mobile/web/images/globe.png A /issm/trunk-
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Export determination: 6.

Rationale: ADD: Basic backbone for ISSM Web_Development

Change #93 with diff file ISSM-15488-15489.diff:

Function name:

D /issm/trunk-jpl/src/mobile/web A /issm/web (from /issm/trunk-jpl/src/mobile/web:15487)

Export determination: 6.

Rationale: CHG: moved web application to issmuci root

Change #94 with diff file ISSM-15489-15490.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

Export determination: 6.

Rationale: CHG: fixed memory leaks

Change #95 with diff file ISSM-15490-15491.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plotmodel.py

Export determination: 6.

Rationale: need to call show() for plotmodel calls in scripts (e.g. runme files)

Change #96 with diff file ISSM-15491-15492.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/src/m/enum/MaximumNumberOfElements.m

A /issm/trunk-jpl/src/m/enum/P1P2Enum.m A /issm/trunk-jpl/src/m/enum/TaylorHoodEnum.m

Export determination: 6.

Rationale: NEW: added some enums for higher order finite elements

Change #97 with diff file ISSM-15492-15493.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m D /issm/trunk-jpl/src/m/enum/P1P2Enum.m A /issm/trunk-jpl/src/m/enum/P1bubbleEnum.m A /issm/trunk-jpl/src/m/enum/P2xP1Enum.m
Export determination: 6.
Rationale: CHG: changes finite element names

Change #98 with diff file ISSM-15493-15494.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.py

Export determination: 6.

Rationale: BUG: typo in IOError call

Change #99 with diff file ISSM-15494-15495.diff:

Function name:

M /issm/trunk-jpl/src/m/io/loadmodel.py M /issm/trunk-jpl/src/m/io/loadvars.py

Export determination: 6.

Rationale: CHG: python models are saved as database structures, checking for their existence should be done with database methods rather than looking for path existence since databases often use multiple files with the same name but different extensions

Change #100 with diff file ISSM-15495-15496.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: NEW: added a couple of basis functions, derivatives not done yet

Change #101 with diff file ISSM-15496-15497.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp

Export determination: 6.

Rationale: CHG: GetNumberOfNodes conflicting with Reference element NumberOfNodes function

Change #102 with diff file ISSM-15497-15498.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: CHG: GetNumberofNodes back

Change #103 with diff file ISSM-15498-15499.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive112.nc M /issm/trunk-jpl/test/Archives/Archive113.nc

M /issm/trunk-jpl/test/Archives/Archive114.nc M /issm/trunk-jpl/test/Archives/Archive302.nc

M /issm/trunk-jpl/test/Archives/Archive305.nc M /issm/trunk-jpl/test/Archives/Archive314.nc

M /issm/trunk-jpl/test/Archives/Archive315.nc M /issm/trunk-jpl/test/Archives/Archive318.nc

M /issm/trunk-jpl/test/Archives/Archive324.nc M /issm/trunk-jpl/test/Archives/Archive331.nc

M /issm/trunk-jpl/test/Archives/Archive333.nc M /issm/trunk-jpl/test/NightlyRun/runme.m

Export determination: 6.

Rationale: CHG: updating archives

Change #104 with diff file ISSM-15499-15500.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.m

Export determination: 6.

Rationale: CHG: reverting

Change #105 with diff file ISSM-15500-15501.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive115.nc

Export determination: 6.

Rationale: CHG: updating archives

Change #106 with diff file ISSM-15501-15502.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m
 Export determination: 6.
 Rationale: FIX: changed path of antarctica and greenland exp if showregion

Change #107 with diff file ISSM-15502-15503.diff:
 Function name:
 M /issm/trunk-jpl/src/m/plot/manualcb.m
 Export determination: 6.
 Rationale: NEW: added some features, including log colorbar

Change #108 with diff file ISSM-15503-15504.diff:
 Function name:
 M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/Synchronize.sh M
 /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
 Export determination: 6.
 Rationale: CHG: updated vim syntax highlight

Change #109 with diff file ISSM-15504-15505.diff:
 Function name:
 M /issm/trunk-jpl/src/c/analyses/diagnostic_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Cr
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
 M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
 M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m
 M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/model/model.m
 M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/FlowequationIsmacayeal
 D /issm/trunk-jpl/src/m/enum/FlowequationIsmacayealpattynEnum.m A /issm/trunk-
 jpl/src/m/enum/FlowequationIspattynEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.n
 M /issm/trunk-jpl/src/m/parameterization/setflowequation.m M /issm/trunk-
 jpl/src/m/parameterization/setflowequation.py M /issm/trunk-jpl/src/m/qmu/qmuresponse.m
 Export determination: 6.
 Rationale: CHG: split ismacayealpattyn into ismacayeal and ispattyn

Change #110 with diff file ISSM-15505-15506.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
Export determination: 6.
Rationale: NEW: added P2xP1 nodal function derivatives

Change #111 with diff file ISSM-15506-15507.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp
Export determination: 6.
Rationale: NEW: allow vectors to be row vectors instead of column vectors

Change #112 with diff file ISSM-15507-15508.diff:
Function name:
A /issm/trunk-jpl/src/m/coordsystems/xy2ll.py
Export determination: 6.
Rationale: NEW: python version of xy2ll

Change #113 with diff file ISSM-15508-15509.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp
Export determination: 6.
Rationale: CHG: useless declaration of numnodes

Change #114 with diff file ISSM-15509-15510.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Icefront.h
Export determination: 6.
Rationale: FIX: forgot to commit changes in Icefront.h

Change #115 with diff file ISSM-15510-15511.diff:
Function name:
M /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64.sh

Export determination: 6.
Rationale: CHG: no need to specify f91

Change #116 with diff file ISSM-15511-15512.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
Export determination: 6.
Rationale: NEW: added Penta P2xP2 derivative functions

Change #117 with diff file ISSM-15512-15513.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processmesh.py
Export determination: 6.
Rationale: CHG: minor change to help text

Change #118 with diff file ISSM-15513-15514.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatMultPatch.cpp
Export determination: 6.
Rationale: BUG: mpiinclude needs to be included here

Change #119 with diff file ISSM-15514-15515.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp
Export determination: 6.
Rationale: CHG: we need to take into account M or N=0

Change #120 with diff file ISSM-15515-15516.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp
Export determination: 6.
Rationale: BUG: M is now M*N

Change #121 with diff file ISSM-15516-15517.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp

Export determination: 6.

Rationale: CHG: minor

Change #122 with diff file ISSM-15517-15518.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp

M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h

Export determination: 6.

Rationale: CHG: startin g new icefront

Change #123 with diff file ISSM-15518-15519.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: minor call of xyz_list

Change #124 with diff file ISSM-15519-15520.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py

Export determination: 6.

Rationale: CHG: handle vectors vs. arrays more consistently in python: in most places we use vectors

Change #125 with diff file ISSM-15520-15521.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp

D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabMatrixToDoubleMatrix.cpp

D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabMatrixToIssmMat.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabMatrixToMatrix.cpp

D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabMatrixToMatrix.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabMatrixToMatrix.cpp

D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabNArrayToNArray.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabNArrayToNArray.cpp

D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabVectorToDoubleVector.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabVectorToDoubleVector.cpp

jpl/src/wrappers/matlab/io/MatlabVectorToIssmSeqVec.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabVectorToPetScVec.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/MatlabVectorToVector.cpp D /issm/trunk-jpl/src/wrappers/matlab/io/OptionParser.h D /issm/trunk-jpl/src/wrappers/matlab/io/matlabio.h D /issm/trunk-jpl/src/wrappers/matlab/io/mxGetAssessments.cpp
 Export determination: 6.
 Rationale: CHG: removed lots of unneeded matlab object conversion and fixed Chaco's blas conflict with petsc's

Change #126 with diff file ISSM-15521-15522.diff:
 Function name:
 M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py
 Export determination: 6.
 Rationale: reverting vector/array change

Change #127 with diff file ISSM-15522-15523.diff:
 Function name:
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 Export determination: 6.
 Rationale: FIX: start to debug new front

Change #128 with diff file ISSM-15523-15524.diff:
 Function name:
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
 Export determination: 6.
 Rationale: FIX: finished debugging front in 2d

Change #129 with diff file ISSM-15524-15525.diff:
 Function name:
 A /issm/trunk-jpl/test/Archives/Archive434.nc M /issm/trunk-jpl/test/NightlyRun/IdToName.m
 M /issm/trunk-jpl/test/NightlyRun/IdToName.py A /issm/trunk-jpl/test/NightlyRun/test434.m
 A /issm/trunk-jpl/test/NightlyRun/test434.py
 Export determination: 6.
 Rationale: NEW: added L1L2 nightly run

Change #130 with diff file ISSM-15525-15526.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Diag

Export determination: 6.

Rationale: FIX: temporarily reverting Front until monday to get NR running

Change #131 with diff file ISSM-15526-15527.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive434.nc

Export determination: 6.

Rationale: CHG: archive test 434

Change #132 with diff file ISSM-15527-15528.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: CHG: minor

Change #133 with diff file ISSM-15528-15529.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: CHG: fixed consistency check for L1L2

Change #134 with diff file ISSM-15529-15530.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: added check in case PETSC_ARCH is not provided

Change #135 with diff file ISSM-15530-15531.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions
A /issm/trunk-jpl/src/m/enum/MINIcondensedEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumberO
Export determination: 6.
Rationale: CHG: added one new enum: MINIcondensedEnum.m

Change #136 with diff file ISSM-15531-15532.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
Export determination: 6.
Rationale: CHG: updating syntax highlighting

Change #137 with diff file ISSM-15532-15533.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test434.m
Export determination: 6.
Rationale: CHG: tolerance test 434

Change #138 with diff file ISSM-15533-15534.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.c
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h
Export determination: 6.
Rationale: CHG: changed if to switch statements

Change #139 with diff file ISSM-15534-15535.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test434.py
Export determination: 6.
Rationale: CHG: tolerance change for python 434

Change #140 with diff file ISSM-15535-15536.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Node.h
Export determination: 6.
Rationale: CHG: minor cosmetics

Change #141 with diff file ISSM-15536-15537.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test434.m M /issm/trunk-jpl/test/NightlyRun/test434.py
Export determination: 6.
Rationale: CHG:tolerance test 434

Change #142 with diff file ISSM-15537-15538.diff:
Function name:
D /issm/trunk-jpl/externalpackages/triangle/triangle.h
Export determination: 6.
Rationale: DEL: file has nothing to do here

Change #143 with diff file ISSM-15538-15539.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
Export determination: 6.
Rationale: NEW: added front in element for Pattyn and Stokes

Change #144 with diff file ISSM-15539-15540.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp
Export determination: 6.
Rationale: CHG: trying ice front for coupling solutions

Change #145 with diff file ISSM-15540-15541.diff:

Function name:
M /issm/trunk-jpl/src/c/shared/io/Disk/WriteLockFile.cpp
Export determination: 6.
Rationale: CHG: gcc 4.6.3 (the default on astrid) complains about the missing include

Change #146 with diff file ISSM-15541-15542.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: FIX: wrong approximation in StokesFront vector

Change #147 with diff file ISSM-15542-15543.diff:
Function name:
M /issm/trunk-jpl/externalpackages/triangle/install-linux64.sh D /issm/trunk-jpl/externalpackages/triangle/triangle.c.patch M /issm/trunk-jpl/externalpackages/triangle/triangle.h.patch
Export determination: 6.
Rationale: CHG: simplified triangle patch

Change #148 with diff file ISSM-15543-15544.diff:
Function name:
M /issm/trunk-jpl/externalpackages/triangle/configs/altix64/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/android/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/linux64/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/macosex32/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/macosex64/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/pleiades/configure.make M /issm/trunk-jpl/externalpackages/triangle/configs/win32/configure.make M /issm/trunk-jpl/externalpackages/triangle/com
Export determination: 6.
Rationale: CHG: simplified configurations now that we do not use MATLAB anymore

Change #149 with diff file ISSM-15544-15545.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: FIX: Pvector front based on numnodes (not numvertices)

Change #150 with diff file ISSM-15545-15546.diff:

Function name:

M /issm/trunk-jpl/externalpackages/triangle/configs/macosx32/configure.make

M /issm/trunk-jpl/externalpackages/triangle/configs/macosx64/configure.make

M /issm/trunk-jpl/externalpackages/triangle/install-altix64.sh M /issm/trunk-

jpl/externalpackages/triangle/install-android.sh M /issm/trunk-jpl/externalpackages/triangle/install-

discover.sh M /issm/trunk-jpl/externalpackages/triangle/install-linux64.sh M

/issm/trunk-jpl/externalpackages/triangle/install-macosx32.sh M /issm/trunk-

jpl/externalpackages/triangle/install-macosx64.sh M /issm/trunk-jpl/externalpackages/triangle/install-

pleiades.sh M /issm/trunk-jpl/externalpackages/triangle/install-win32.sh M /issm/trunk-

jpl/externalpackages/triangle/install-win7.sh

Export determination: 6.

Rationale: CHG: do not need to patch c file anymore and mac does not suppoer

FPU flags

Change #151 with diff file ISSM-15546-15547.diff:

Function name:

M /issm/trunk-jpl/externalpackages/triangle/install-linux64.sh

Export determination: 6.

Rationale: BUG: header file needs to be patched

Change #152 with diff file ISSM-15547-15548.diff:

Function name:

A /issm/trunk-jpl/test/Exp/SquareFront2.exp M /issm/trunk-jpl/test/NightlyRun/test216.m

A /issm/trunk-jpl/test/Par/SquareShelf2.par

Export determination: 6.

Rationale: CHG: modified rift test 216 to manage ice front

Change #153 with diff file ISSM-15548-15549.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive216.nc

Export determination: 6.

Rationale: CHG: updating archive

Change #154 with diff file ISSM-15549-15550.diff:

Function name:

M /issm/trunk-jpl/externalpackages/triangle/configs/linux64/configure.make

Export determination: 6.

Rationale: CHG: ensure that we have the same mesh as NR archives

Change #155 with diff file ISSM-15550-15551.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive216.nc

Export determination: 6.

Rationale: CHG: updated archive

Change #156 with diff file ISSM-15551-15552.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test509.m

Export determination: 6.

Rationale: CHG: added thermal penalty_threshold for convergence with the new ice front

Change #157 with diff file ISSM-15552-15553.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive501.nc M /issm/trunk-jpl/test/Archives/Archive502.nc

M /issm/trunk-jpl/test/Archives/Archive504.nc M /issm/trunk-jpl/test/Archives/Archive505.nc

M /issm/trunk-jpl/test/Archives/Archive506.nc M /issm/trunk-jpl/test/Archives/Archive508.nc

M /issm/trunk-jpl/test/Archives/Archive509.nc M /issm/trunk-jpl/test/Archives/Archive512.nc

M /issm/trunk-jpl/test/Archives/Archive513.nc M /issm/trunk-jpl/test/NightlyRun/test104.m

M /issm/trunk-jpl/test/NightlyRun/test201.m M /issm/trunk-jpl/test/NightlyRun/test204.m

M /issm/trunk-jpl/test/Par/Pig.par

Export determination: 6.

Rationale: CHG: changes Pig archives for new ice front

Change #158 with diff file ISSM-15553-15554.diff:

Function name:

M /issm/trunk-jpl/externalpackages/triangle/configs/altix64/configure.make M
/issm/trunk-jpl/externalpackages/triangle/configs/android/configure.make M /issm/trunk-
jpl/externalpackages/triangle/configs/linux64/configure.make M /issm/trunk-
jpl/externalpackages/triangle/configs/macosx32/configure.make M /issm/trunk-
jpl/externalpackages/triangle/configs/macosx64/configure.make M /issm/trunk-
jpl/externalpackages/triangle/configs/pleiades/configure.make M /issm/trunk-
jpl/externalpackages/triangle/configs/win32/configure.make M /issm/trunk-jpl/externalpackages/triangle/con

Export determination: 6.

Rationale: CHG: do not use -DREDUCED flag, as it does not yield the same
results as the one saved in the NR

Change #159 with diff file ISSM-15554-15555.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test509.py M /issm/trunk-jpl/test/Par/Pig.py

Export determination: 6.

Rationale: CHG: changed Pig test for python

Change #160 with diff file ISSM-15555-15556.diff:

Function name:

M /issm/trunk-jpl/test/Par/Pig.py

Export determination: 6.

Rationale: FIX: minor typo

Change #161 with diff file ISSM-15556-15557.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: FIX: finally found the problem with stokes front

Change #162 with diff file ISSM-15557-15558.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.cpp

M /issm/trunk-jpl/src/c/modules/InterpFromMesh2dx/InterpFromMesh2dxt.cpp

M /issm/trunk-jpl/src/c/modules/InterpFromMeshToGridx/InterpFromMeshToGridx.cpp
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh3dx/InterpFromMeshToMesh3dx.cpp
M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/pKrigin
M /issm/trunk-jpl/src/c/modules/PointCloudFindNeighborsx/PointCloudFindNeighborsxt.cpp
Export determination: 6.
Rationale: CHG: minor cosmetics

Change #163 with diff file ISSM-15558-15559.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.m

Export determination: 6.

Rationale: CHG: new front for dakota

Change #164 with diff file ISSM-15559-15560.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputRe

M /issm/trunk-jpl/src/c/shared/io/Disk/diskio.h M /issm/trunk-jpl/src/c/shared/io/Disk/pfopen.cpp

Export determination: 6.

Rationale: BUG: on fe233, pfopen crashed because the same file cannot be cre-
ated simultaneously by all processor

Change #165 with diff file ISSM-15560-15561.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.m

Export determination: 6.

Rationale: CHG: no need to redo icefront manually

Change #166 with diff file ISSM-15561-15562.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test218.m

Export determination: 6.

Rationale: CHG: smaller front

Change #167 with diff file ISSM-15562-15563.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test104.m M /issm/trunk-jpl/test/NightlyRun/test201.m

M /issm/trunk-jpl/test/NightlyRun/test204.m

Export determination: 6.

Rationale: FIX: minor committed wrong changes

Change #168 with diff file ISSM-15563-15564.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive503.nc M /issm/trunk-jpl/test/Archives/Archive507.nc

M /issm/trunk-jpl/test/Archives/Archive510.nc

Export determination: 6.

Rationale: CHG: updated some archives for Pig Stokes

Change #169 with diff file ISSM-15564-15565.diff:

Function name:

M /issm/trunk-jpl/src/ad/validation/Update/update.m M /issm/trunk-jpl/src/c/analyses/AnalysisConfigurat

M /issm/trunk-jpl/src/c/analyses/adjointdiagnostic_core.cpp M /issm/trunk-

jpl/src/c/analyses/control_core.cpp M /issm/trunk-jpl/src/c/analyses/diagnostic_core.cpp

M /issm/trunk-jpl/src/c/analyses/objectivefunction.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h

M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput

M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput

M /issm/trunk-jpl/src/c/classes/Inputs/Input.h M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h

M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h

M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h

M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Icefront.h

M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h

M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h

M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp M /issm/trunk-

jpl/src/c/classes/Materials/Matdamageice.h M /issm/trunk-jpl/src/c/classes/Materials/Material.h

M /issm/trunk-jpl/src/c/classes/Materials/Matice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matice.h

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateConstraintsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateLoadsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/UpdateElementsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateConstraintsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/modules/ResetCoordinateSystem.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.h M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSolver.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscOptions.cpp
M /issm/trunk-jpl/src/m/classes/diagnostic.m M /issm/trunk-jpl/src/m/classes/diagnostic.py
M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py
M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/model/model.py
M /issm/trunk-jpl/src/m/classes/toolkits.m M /issm/trunk-jpl/src/m/classes/toolkits.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py M /issm/trunk-jpl/src/m/contrib/hack/sia.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/src/m/mech/mechanicalproperties.m
M /issm/trunk-jpl/src/m/mech/strainrateuncert.m M /issm/trunk-jpl/src/m/miscellaneous/issmdoc.m
M /issm/trunk-jpl/src/m/parameterization/setflowequation.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py M /issm/trunk-jpl/src/m/plot/plot_elementstype.m
M /issm/trunk-jpl/src/m/plot/plot_penalties.m M /issm/trunk-jpl/src/m/qmu/qmuresponse.m
M /issm/trunk-jpl/src/m/solvers/stokesoptions.m M /issm/trunk-jpl/src/m/solvers/stokesoptions.py
Export determination: 6.

Rationale: CHG: hutter-¿ SIA macayeal-¿SSA pattyn-¿HO stokes-¿FS

Change #170 with diff file ISSM-15565-15566.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/ad.m M /issm/trunk-jpl/test/NightlyRun/ad_maxalloc.m
M /issm/trunk-jpl/test/NightlyRun/android.m M /issm/trunk-jpl/test/NightlyRun/test101.m
M /issm/trunk-jpl/test/NightlyRun/test101.py M /issm/trunk-jpl/test/NightlyRun/test102.m
M /issm/trunk-jpl/test/NightlyRun/test102.py M /issm/trunk-jpl/test/NightlyRun/test103.m
M /issm/trunk-jpl/test/NightlyRun/test103.py M /issm/trunk-jpl/test/NightlyRun/test104.m
M /issm/trunk-jpl/test/NightlyRun/test104.py M /issm/trunk-jpl/test/NightlyRun/test105.m
M /issm/trunk-jpl/test/NightlyRun/test105.py M /issm/trunk-jpl/test/NightlyRun/test106.m
M /issm/trunk-jpl/test/NightlyRun/test106.py M /issm/trunk-jpl/test/NightlyRun/test107.m
M /issm/trunk-jpl/test/NightlyRun/test107.py M /issm/trunk-jpl/test/NightlyRun/test108.m
M /issm/trunk-jpl/test/NightlyRun/test108.py M /issm/trunk-jpl/test/NightlyRun/test109.m
M /issm/trunk-jpl/test/NightlyRun/test109.py M /issm/trunk-jpl/test/NightlyRun/test110.m

[illegible]

[illegible]

[illegible]

[illegible]

Change #171 with diff file ISSM-15566-15567.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1202.m M /issm/trunk-jpl/test/NightlyRun/test1202.py
M /issm/trunk-jpl/test/NightlyRun/test1203.m M /issm/trunk-jpl/test/NightlyRun/test1203.py
M /issm/trunk-jpl/test/NightlyRun/test1204.m M /issm/trunk-jpl/test/NightlyRun/test1204.py
M /issm/trunk-jpl/test/NightlyRun/test1205.m M /issm/trunk-jpl/test/NightlyRun/test1205.py
M /issm/trunk-jpl/test/NightlyRun/test1206.m M /issm/trunk-jpl/test/NightlyRun/test1206.py
M /issm/trunk-jpl/test/NightlyRun/test1207.m M /issm/trunk-jpl/test/NightlyRun/test1207.py
Export determination: 6.

Rationale: CHG: MacAyeal -i, SSA

Change #172 with diff file ISSM-15567-15568.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/diagnostic_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Icefront.h
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h
M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStdString.cpp M /issm/trunk-jpl/src/m/classes/balancethickness.cpp
M /issm/trunk-jpl/src/m/classes/balancethickness.py M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py A /issm/trunk-jpl/src/m/enum/DiagnosticFSreconditioningEnum.m
D /issm/trunk-jpl/src/m/enum/DiagnosticHutterAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/DiagnosticSIAAnalysisEnum.m
D /issm/trunk-jpl/src/m/enum/DiagnosticStokesreconditioningEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/FSIceFrontEnum.m A /issm/trunk-jpl/src/m/enum/FSSolverEnum.m
A /issm/trunk-jpl/src/m/enum/FlowequationBorderFSEnum.m A /issm/trunk-jpl/src/m/enum/FlowequationBorderHOEnum.m
A /issm/trunk-jpl/src/m/enum/FlowequationBorderSSAEnum.m D /issm/trunk-jpl/src/m/enum/FlowequationBordermacayealEnum.m
D /issm/trunk-jpl/src/m/enum/FlowequationBorderpattynEnum.m D /issm/trunk-jpl/src/m/enum/FlowequationBorderstokesEnum.m
A /issm/trunk-jpl/src/m/enum/FlowequationFeFSEnum.m A /issm/trunk-jpl/src/m/enum/FlowequationFeSSAEnum.m
D /issm/trunk-jpl/src/m/enum/FlowequationFeSsaEnum.m D /issm/trunk-jpl/src/m/enum/FlowequationFeSSenum.m
A /issm/trunk-jpl/src/m/enum/FlowequationIsFSEnum.m A /issm/trunk-jpl/src/m/enum/FlowequationIsHCFSEnum.m
A /issm/trunk-jpl/src/m/enum/FlowequationIsL1L2Enum.m A /issm/trunk-jpl/src/m/enum/FlowequationIsSIAEnum.m
A /issm/trunk-jpl/src/m/enum/FlowequationIsSSAEnum.m D /issm/trunk-jpl/src/m/enum/FlowequationIshutterEnum.m
D /issm/trunk-jpl/src/m/enum/FlowequationIsl1l2Enum.m D /issm/trunk-jpl/src/m/enum/FlowequationIsmacayealEnum.m

D /issm/trunk-jpl/src/m/enum/FlowequationIspattynEnum.m D /issm/trunk-jpl/src/m/enum/FlowequationIsstokesEnum.m A /issm/trunk-jpl/src/m/enum/HOApproximationEnum.m A /issm/trunk-jpl/src/m/enum/HOFSAApproximationEnum.m A /issm/trunk-jpl/src/m/enum/HOIceFrontEnum.m D /issm/trunk-jpl/src/m/enum/HutterApproximationEnum.m D /issm/trunk-jpl/src/m/enum/MacAyeal2dIceFrontEnum.m D /issm/trunk-jpl/src/m/enum/MacAyeal3dIceFrontEnum.m D /issm/trunk-jpl/src/m/enum/MacAyealApproximationEnum.m D /issm/trunk-jpl/src/m/enum/MacAyealPattynApproximationEnum.m D /issm/trunk-jpl/src/m/enum/MacAyealStokesApproximationEnum.m D /issm/trunk-jpl/src/m/enum/PattynApproximationEnum.m D /issm/trunk-jpl/src/m/enum/PattynIceFrontEnum.m D /issm/trunk-jpl/src/m/enum/PattynStokesApproximationEnum.m A /issm/trunk-jpl/src/m/enum/SIAApproximationEnum.m A /issm/trunk-jpl/src/m/enum/SSA2dIceFrontEnum.m A /issm/trunk-jpl/src/m/enum/SSA3dIceFrontEnum.m A /issm/trunk-jpl/src/m/enum/SSAApproximationEnum.m A /issm/trunk-jpl/src/m/enum/SSAFSAApproximationEnum.m A /issm/trunk-jpl/src/m/enum/SSAHOApproximationEnum.m D /issm/trunk-jpl/src/m/enum/StokesApproximationEnum.m D /issm/trunk-jpl/src/m/enum/StokesIceFrontEnum.m D /issm/trunk-jpl/src/m/enum/StokesSolverEnum.m A /issm/trunk-jpl/src/m/enum/VzFSEnum.m A /issm/trunk-jpl/src/m/enum/VzHOEnum.m D /issm/trunk-jpl/src/m/enum/VzMacAyealEnum.m D /issm/trunk-jpl/src/m/enum/VzPattynEnum.m A /issm/trunk-jpl/src/m/enum/VzSSAEnum.m D /issm/trunk-jpl/src/m/enum/VzStokesEnum.m M /issm/trunk-jpl/src/m/mech/mechanicalproperties.m M /issm/trunk-jpl/src/m/mech/strainrateuncert.m M /issm/trunk-jpl/src/m/miscellaneous/issmdoc.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py M /issm/trunk-jpl/src/m/plot/plot_elementstype.m M /issm/trunk-jpl/src/m/plot/plot_penalties.m
 Export determination: 6.
 Rationale: CHG: MacAyeal -> SSA

Change #173 with diff file ISSM-15568-15569.diff:

Function name:

M /issm/trunk-jpl/src/m/solvers/stokesoptions.m M /issm/trunk-jpl/src/m/solvers/stokesoptions.py

Export determination: 6.

Rationale: CHG: stokesoptions remains stokesoptions for now

Change #174 with diff file ISSM-15569-15570.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive220.nc M /issm/trunk-jpl/test/Archives/Archive221.nc

M /issm/trunk-jpl/test/Archives/Archive274.nc

Export determination: 6.

Rationale: GHC: Updated archives for new front

Change #175 with diff file ISSM-15570-15571.diff:

Function name:
M /issm/trunk-jpl/src/c/main/kriging.cpp
Export determination: 6.
Rationale: CHG: pfopne on cpu0 only

Change #176 with diff file ISSM-15571-15572.diff:
Function name:
M /issm/trunk-jpl/externalpackages/cmake/install.sh
Export determination: 6.
Rationale: NEW: now use cmake 2.8.11.2

Change #177 with diff file ISSM-15572-15573.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gslib/pkriging.m
Export determination: 6.
Rationale: CHG: fixing pkriging

Change #178 with diff file ISSM-15573-15574.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
Export determination: 6.
Rationale: CHG: Updating syntax highlight

Change #179 with diff file ISSM-15574-15575.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: added check on petscversion.h

Change #180 with diff file ISSM-15575-15576.diff:
Function name:
M /issm/trunk-jpl/configs/config-pleiades-petsc3.4.sh
Export determination: 6.

Rationale: CHG: added gsl, no need for petsc_arch

Change #181 with diff file ISSM-15576-15577.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/pfe.m

Export determination: 6.

Rationale: CHG: no need to load mkl anymore

Change #182 with diff file ISSM-15577-15578.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test216.m M /issm/trunk-jpl/test/NightlyRun/test505.m

M /issm/trunk-jpl/test/NightlyRun/test506.m M /issm/trunk-jpl/test/NightlyRun/test513.m

Export determination: 6.

Rationale: CHG: updated some tolerances

Change #183 with diff file ISSM-15578-15579.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive274.nc

Export determination: 6.

Rationale: CHG: archive 274 with reduced front

Change #184 with diff file ISSM-15579-15580.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test220.m M /issm/trunk-jpl/test/NightlyRun/test220.py

M /issm/trunk-jpl/test/NightlyRun/test221.m M /issm/trunk-jpl/test/NightlyRun/test221.py

M /issm/trunk-jpl/test/NightlyRun/test274.m M /issm/trunk-jpl/test/NightlyRun/test274.py

Export determination: 6.

Rationale: CHG: reduced front for 3 additionnal tests

Change #185 with diff file ISSM-15580-15581.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test280.m M /issm/trunk-jpl/test/NightlyRun/test280.py

Export determination: 6.

Rationale: FIX: typo SSA not ssa

Change #186 with diff file ISSM-15581-15582.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive511.nc M /issm/trunk-jpl/test/NightlyRun/test511.m

M /issm/trunk-jpl/test/NightlyRun/test511.py

Export determination: 6.

Rationale: CHG: changed test resolution to avoid element with 2 fronts

Change #187 with diff file ISSM-15582-15583.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive201.nc

Export determination: 6.

Rationale: CHG: changes ice front to test icelevelset

Change #188 with diff file ISSM-15583-15584.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateNodes.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessox/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/ModelProcessox.h

Export determination: 6.

Rationale: CHG: Nodes do not look for `iomodel->flowequations[i]` but the approximation must now be provided to the constructor

Change #189 with diff file ISSM-15584-15585.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: BUG: BOOST needed for dakota 5.3.1

Change #190 with diff file ISSM-15585-15586.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive274.nc
Export determination: 6.
Rationale: CHG: updated archive 274

Change #191 with diff file ISSM-15586-15587.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test211.py M /issm/trunk-jpl/test/NightlyRun/test505.py
M /issm/trunk-jpl/test/NightlyRun/test506.py M /issm/trunk-jpl/test/NightlyRun/test508.py
M /issm/trunk-jpl/test/NightlyRun/test513.py
Export determination: 6.
Rationale: CHG: updated python tolerances

Change #192 with diff file ISSM-15587-15588.diff:
Function name:
A /issm/trunk-jpl/test/Par/SquareShelf2.py
Export determination: 6.
Rationale: FIX: missing parameter file in Python

Change #193 with diff file ISSM-15588-15589.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test216.py
Export determination: 6.
Rationale: CHG: python test216

Change #194 with diff file ISSM-15589-15590.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test216.py M /issm/trunk-jpl/test/NightlyRun/test429.py
M /issm/trunk-jpl/test/NightlyRun/test434.m
Export determination: 6.
Rationale: CHG: changes in tolerance again

Change #195 with diff file ISSM-15590-15591.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test234.m

Export determination: 6.

Rationale: CHG: added some ; to avoid annoying echos

Change #196 with diff file ISSM-15591-15592.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive202.nc M /issm/trunk-jpl/test/Archives/Archive203.nc

M /issm/trunk-jpl/test/Archives/Archive204.nc M /issm/trunk-jpl/test/Archives/Archive205.nc

M /issm/trunk-jpl/test/Archives/Archive206.nc M /issm/trunk-jpl/test/Archives/Archive207.nc

M /issm/trunk-jpl/test/Archives/Archive208.nc M /issm/trunk-jpl/test/Archives/Archive209.nc

M /issm/trunk-jpl/test/Archives/Archive210.nc M /issm/trunk-jpl/test/Archives/Archive211.nc

M /issm/trunk-jpl/test/Archives/Archive212.nc M /issm/trunk-jpl/test/Archives/Archive213.nc

M /issm/trunk-jpl/test/Archives/Archive214.nc M /issm/trunk-jpl/test/Archives/Archive215.nc

M /issm/trunk-jpl/test/Archives/Archive216.nc M /issm/trunk-jpl/test/Archives/Archive217.nc

M /issm/trunk-jpl/test/Archives/Archive219.nc M /issm/trunk-jpl/test/Archives/Archive220.nc

M /issm/trunk-jpl/test/Archives/Archive221.nc M /issm/trunk-jpl/test/Archives/Archive222.nc

M /issm/trunk-jpl/test/Archives/Archive223.nc M /issm/trunk-jpl/test/Archives/Archive224.nc

M /issm/trunk-jpl/test/Archives/Archive225.nc M /issm/trunk-jpl/test/Archives/Archive226.nc

M /issm/trunk-jpl/test/Archives/Archive228.nc M /issm/trunk-jpl/test/Archives/Archive229.nc

M /issm/trunk-jpl/test/Archives/Archive230.nc M /issm/trunk-jpl/test/Archives/Archive231.nc

M /issm/trunk-jpl/test/Archives/Archive232.nc M /issm/trunk-jpl/test/Archives/Archive233.nc

M /issm/trunk-jpl/test/Archives/Archive236.nc M /issm/trunk-jpl/test/Archives/Archive237.nc

M /issm/trunk-jpl/test/Archives/Archive270.nc M /issm/trunk-jpl/test/Archives/Archive272.nc

M /issm/trunk-jpl/test/Archives/Archive274.nc M /issm/trunk-jpl/test/Archives/Archive280.nc

Export determination: 6.

Rationale: CHG: archives test2XX

Change #197 with diff file ISSM-15592-15593.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive401.nc M /issm/trunk-jpl/test/Archives/Archive402.nc

M /issm/trunk-jpl/test/Archives/Archive403.nc M /issm/trunk-jpl/test/Archives/Archive404.nc

M /issm/trunk-jpl/test/Archives/Archive405.nc M /issm/trunk-jpl/test/Archives/Archive406.nc

M /issm/trunk-jpl/test/Archives/Archive407.nc M /issm/trunk-jpl/test/Archives/Archive408.nc

M /issm/trunk-jpl/test/Archives/Archive409.nc M /issm/trunk-jpl/test/Archives/Archive410.nc

M /issm/trunk-jpl/test/Archives/Archive411.nc M /issm/trunk-jpl/test/Archives/Archive415.nc

M /issm/trunk-jpl/test/Archives/Archive416.nc M /issm/trunk-jpl/test/Archives/Archive419.nc

M /issm/trunk-jpl/test/Archives/Archive421.nc M /issm/trunk-jpl/test/Archives/Archive422.nc

M /issm/trunk-jpl/test/Archives/Archive423.nc M /issm/trunk-jpl/test/Archives/Archive424.nc

M /issm/trunk-jpl/test/Archives/Archive425.nc M /issm/trunk-jpl/test/Archives/Archive426.nc

M /issm/trunk-jpl/test/Archives/Archive427.nc M /issm/trunk-jpl/test/Archives/Archive428.nc
M /issm/trunk-jpl/test/Archives/Archive429.nc M /issm/trunk-jpl/test/Archives/Archive430.nc
M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/Archives/Archive432.nc
M /issm/trunk-jpl/test/Archives/Archive434.nc
Export determination: 6.
Rationale: CHG: archives 4XX

Change #198 with diff file ISSM-15593-15594.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive501.nc M /issm/trunk-jpl/test/Archives/Archive502.nc
M /issm/trunk-jpl/test/Archives/Archive503.nc M /issm/trunk-jpl/test/Archives/Archive504.nc
M /issm/trunk-jpl/test/Archives/Archive505.nc M /issm/trunk-jpl/test/Archives/Archive506.nc
M /issm/trunk-jpl/test/Archives/Archive507.nc M /issm/trunk-jpl/test/Archives/Archive508.nc
M /issm/trunk-jpl/test/Archives/Archive509.nc M /issm/trunk-jpl/test/Archives/Archive510.nc
M /issm/trunk-jpl/test/Archives/Archive511.nc M /issm/trunk-jpl/test/Archives/Archive512.nc
M /issm/trunk-jpl/test/Archives/Archive513.nc M /issm/trunk-jpl/test/Archives/Archive514.nc
M /issm/trunk-jpl/test/Archives/Archive515.nc M /issm/trunk-jpl/test/Archives/Archive516.nc
Export determination: 6.
Rationale: CHG: archives 5XX

Change #199 with diff file ISSM-15594-15595.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHut
Export determination: 6.
Rationale: CHG: SIA constrain nodes in CreateNodes instead of constructor

Change #200 with diff file ISSM-15595-15596.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/boundaryconditions/Set
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-
jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-jpl/src/m/boundaryconditions/SetMa
M /issm/trunk-jpl/src/m/classes/mask.m M /issm/trunk-jpl/src/m/classes/mask.py
M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/model/model.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MaskIcelevelsetEnum.m

M /issm/trunk-jpl/src/m/parameterization/setmask.m M /issm/trunk-jpl/src/m/parameterization/setmask.py
Export determination: 6.
Rationale: NEW: models only rely on mask.icelevelset now (diagnostic.icefront not used)

Change #201 with diff file ISSM-15596-15597.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.m M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: CHG: now rely on icelevelset in mask

Change #202 with diff file ISSM-15597-15598.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive601.nc M /issm/trunk-jpl/test/Archives/Archive602.nc
M /issm/trunk-jpl/test/Archives/Archive603.nc M /issm/trunk-jpl/test/Archives/Archive604.nc
M /issm/trunk-jpl/test/Archives/Archive605.nc M /issm/trunk-jpl/test/Archives/Archive606.nc
M /issm/trunk-jpl/test/Archives/Archive607.nc M /issm/trunk-jpl/test/Archives/Archive608.nc
M /issm/trunk-jpl/test/Archives/Archive609.nc M /issm/trunk-jpl/test/Archives/Archive610.nc
M /issm/trunk-jpl/test/Archives/Archive611.nc M /issm/trunk-jpl/test/Archives/Archive612.nc
M /issm/trunk-jpl/test/Archives/Archive613.nc M /issm/trunk-jpl/test/Exp/79North.exp

Export determination: 6.

Rationale: CHG: slightly change domain of 79North domain for NR to avoid elements with 2 fronts

Change #203 with diff file ISSM-15598-15599.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive227.nc M /issm/trunk-jpl/test/NightlyRun/test227.m
M /issm/trunk-jpl/test/NightlyRun/test227.py

Export determination: 6.

Rationale: FIX: test 227

Change #204 with diff file ISSM-15599-15600.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test410.m M /issm/trunk-jpl/test/NightlyRun/test411.m
M /issm/trunk-jpl/test/NightlyRun/test429.m M /issm/trunk-jpl/test/NightlyRun/test434.m

Export determination: 6.
Rationale: FIX: more tolerances

Change #205 with diff file ISSM-15600-15601.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.py
Export determination: 6.
Rationale: BUG: indentation and python syntax fix

Change #206 with diff file ISSM-15601-15602.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.py
Export determination: 6.
Rationale: FIX: wrong numpy prefix

Change #207 with diff file ISSM-15602-15603.diff:
Function name:
M /issm/trunk-jpl/src/m/parameterization/setmask.py
Export determination: 6.
Rationale: FIX: typo in levelset

Change #208 with diff file ISSM-15603-15604.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model/model.py
Export determination: 6.
Rationale: FIX: typo in icelevelset

Change #209 with diff file ISSM-15604-15605.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.py
Export determination: 6.
Rationale: CHG: mask.py syntax can be more like matlab

Change #210 with diff file ISSM-15605-15606.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test514.m

Export determination: 6.

Rationale: BUG: not all fields where saved and checked

Change #211 with diff file ISSM-15606-15607.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive514.nc

Export determination: 6.

Rationale: CHG: updated archive as not all fields where saved

Change #212 with diff file ISSM-15607-15608.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test225.m M /issm/trunk-jpl/test/NightlyRun/test422.m

M /issm/trunk-jpl/test/NightlyRun/test432.m M /issm/trunk-jpl/test/NightlyRun/test434.m

Export determination: 6.

Rationale: CHG: more tolerances

Change #213 with diff file ISSM-15608-15609.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive218.nc M /issm/trunk-jpl/test/Archives/Archive234.nc

M /issm/trunk-jpl/test/Archives/Archive235.nc M /issm/trunk-jpl/test/Archives/Archive412.nc

M /issm/trunk-jpl/test/Archives/Archive413.nc

Export determination: 6.

Rationale: CHG: updated Dakota archives

Change #214 with diff file ISSM-15609-15610.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test225.py M /issm/trunk-jpl/test/NightlyRun/test410.py

M /issm/trunk-jpl/test/NightlyRun/test434.py

Export determination: 6.

Rationale: CHG: updated tolerances python

Change #215 with diff file ISSM-15610-15611.diff:

Function name:

M /issm/trunk-jpl/test/Par/RoundSheetShelf.par M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: FIX: test 423 no front was created, do it in the par file

Change #216 with diff file ISSM-15611-15612.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.h

M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/modules/IoModelToConst

M /issm/trunk-jpl/src/c/modules/ModelProcessox/Balancethickness/CreateLoadsBalancethickness.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateEdges.cpp D /issm/trunk-

jpl/src/c/modules/ModelProcessox/CreateElementToEdgeConnectivity.cpp A

/issm/trunk-jpl/src/c/modules/ModelProcessox/CreateFaces.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessox/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox/Di

M /issm/trunk-jpl/src/c/modules/ModelProcessox/EdgesPartitioning.cpp A /issm/trunk-

jpl/src/c/modules/ModelProcessox/FacesPartitioning.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox

M /issm/trunk-jpl/src/c/modules/ModelProcessox/NodesPartitioning.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessox/Prognostic/CreateLoadsPrognostic.cpp

Export determination: 6.

Rationale: NEW: make the distinction between faces and edges for 3d Quadratic elements (quadratic requires edges, DG requires faces, the format is not the same)

Change #217 with diff file ISSM-15612-15613.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_icefront.m

Export determination: 6.

Rationale: CHG: updated plot of BC for new front

Change #218 with diff file ISSM-15613-15614.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/ModelProcessox/Balanc

M /issm/trunk-jpl/src/c/modules/ModelProcessox/BedSlope/UpdateElementsBedSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/UpdateElementsDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/UpdateElementsGia.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp
Export determination: 6.
Rationale: CHG: UpdateElement provides the type of finite element

Change #219 with diff file ISSM-15614-15615.diff:

Function name:

M /issm/trunk-jpl/externalpackages/matlab/install.sh M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.m
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.m
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py D /issm/trunk-jpl/src/m/classes/diagnostic.m
D /issm/trunk-jpl/src/m/classes/diagnostic.py M /issm/trunk-jpl/src/m/classes/model/model.m
M /issm/trunk-jpl/src/m/classes/model/model.py A /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m
A /issm/trunk-jpl/src/m/classes/stressbalance.m A /issm/trunk-jpl/src/m/classes/stressbalance.py
(from /issm/trunk-jpl/src/m/classes/diagnostic.py:15612) M /issm/trunk-jpl/src/m/consistency/checkfield.m
M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/test/NightlyRun/test201.m
M /issm/trunk-jpl/test/NightlyRun/test217.m M /issm/trunk-jpl/test/NightlyRun/test217.py
M /issm/trunk-jpl/test/Par/Pig.par M /issm/trunk-jpl/test/Par/Pig.py M /issm/trunk-jpl/test/Par/RoundSheetShelf.par
M /issm/trunk-jpl/test/Par/RoundSheetShelf.py
Export determination: 6.
Rationale: CHG: removed md.diagnostic.icefront and added capability to recover old fronts

Change #220 with diff file ISSM-15615-15616.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model/model.py
Export determination: 6.
Rationale: CHG: diagnostic is now stressbalance

Change #221 with diff file ISSM-15616-15617.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/stressbalance.py

Export determination: 6.

Rationale: CHG: no more icefront

Change #222 with diff file ISSM-15617-15618.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: FIX: wrong size of vector

Change #223 with diff file ISSM-15618-15619.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: use NUMVERTICES as much as possible to avoid problems

Change #224 with diff file ISSM-15619-15620.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_elementnumbering.m M /issm/trunk-jpl/src/m/plot/plot_vertexnumbering.m

Export determination: 6.

Rationale: BUG: numbering for layers did not work

Change #225 with diff file ISSM-15620-15621.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test201.m

Export determination: 6.

Rationale: FIX: local change that should not have been committed

Change #226 with diff file ISSM-15621-15622.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/stressbalance.m
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnums.m
Export determination: 6.
Rationale: CHG: spcvx vy and vy need to be scaled before they are marshalled,
removed unit conversion in CreateConstraintsDiagnosticHoriz and preparing
HO with quadratic elements

Change #227 with diff file ISSM-15622-15623.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: CHG: updating syntax highlight

Change #228 with diff file ISSM-15623-15624.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/FlowequationFeHOEnum.m

Export determination: 6.

Rationale: NEW: added FlowequationFeHOEnum.m

Change #229 with diff file ISSM-15624-15625.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

Export determination: 6.

Rationale: NEW: for SSA and HO, use regular IoModelToConstraintx

Change #230 with diff file ISSM-15625-15626.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h

Export determination: 6.

Rationale: NEW: some changes necessary for P2 Elements

Change #231 with diff file ISSM-15626-15627.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessors/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

Export determination: 6.

Rationale: CHG: forgot to account for isSIA in coupling flag

Change #232 with diff file ISSM-15627-15628.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/C
M /issm/trunk-jpl/src/c/modules/ModelProcessors/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessors/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessors/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/m/classes/flowequation.m

Export determination: 6.

Rationale: CHG: preparing P2xP1 3d to debug P2

Change #233 with diff file ISSM-15628-15629.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: removed Echo

Change #234 with diff file ISSM-15629-15630.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateNodes.cpp

Export determination: 6.

Rationale: FIX: fixing compilation

Change #235 with diff file ISSM-15630-15631.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp

Export determination: 6.

Rationale: NEW: added marker to edges for P2xP1

Change #236 with diff file ISSM-15631-15632.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: do not create edges if edge marker is 2

Change #237 with diff file ISSM-15632-15633.diff:

Function name:

M /issm/trunk-jpl/externalpackages/matlab/install.sh

Export determination: 6.

Rationale: CHG: reverted install.sh

Change #238 with diff file ISSM-15633-15634.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp

Export determination: 6.

Rationale: BUG: fixed segmentation fault

Change #239 with diff file ISSM-15634-15635.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/UpdateCounters.cpp

Export determination: 6.

Rationale: CHG: nodecounter should work on the maximum ID because we might skip some numbers, same for loads and constraints??

Change #240 with diff file ISSM-15635-15636.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

Export determination: 6.

Rationale: NEW: added support for P2xP1 constraints

Change #241 with diff file ISSM-15636-15637.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m

M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

D /issm/trunk-jpl/src/m/enum/IcelevelsetEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnum.m

A /issm/trunk-jpl/src/m/enum/P1xP2Enum.m

Export determination: 6.

Rationale: NEW: added P1xP2 element for Penta, needs to be debugged

Change #242 with diff file ISSM-15637-15638.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: BUG: fixing P1xP2

Change #243 with diff file ISSM-15638-15639.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: BUG: fixed nodal functions for P2xP2

Change #244 with diff file ISSM-15639-15640.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Nodes.cpp

Export determination: 6.

Rationale: CHG: fixed case when nodes is empty

Change #245 with diff file ISSM-15640-15641.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: CHG: GetBFriction now dynamically calculated

Change #246 with diff file ISSM-15641-15642.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: minor cosmetics

Change #247 with diff file ISSM-15642-15643.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: CHG: extending higher order elements to other solutions

Change #248 with diff file ISSM-15643-15644.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/IndependentObject.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp

M /issm/trunk-jpl/src/c/modules/InterpFromMeshToGridx/InterpFromMeshToGridx.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/settings.m M /issm/trunk-jpl/src/m/coordsystems/lambert2xy.m M /issm/trunk-jpl/src/m/coordsystems/xy2lambert.m M /issm/trunk-jpl/src/m/plot/plot_icefront.m
 Export determination: 6.
 Rationale: CHG: cosmetics, removed double blank lines

Change #249 with diff file ISSM-15644-15645.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py
 Export determination: 6.
 Rationale: CHG: md.flowequations.fe_HO: 0 P1xP1, 1:P1xP2, 2:P2xP1, 3:P2xP2

Change #250 with diff file ISSM-15645-15646.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/DofIndexing.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 Export determination: 6.
 Rationale: BUG: look for SSA nodes....

Change #251 with diff file ISSM-15646-15647.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1401.nc M /issm/trunk-jpl/test/Archives/Archive1402.nc
 Export determination: 6.
 Rationale: CHG: yams has a new number of vertices for some reason...

Change #252 with diff file ISSM-15647-15648.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py M /issm/trunk-jpl/test/NightlyRun/test225.m M /issm/trunk-jpl/test/NightlyRun/test225.py M /issm/trunk-jpl/test/NightlyRun/test429.py

Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #253 with diff file ISSM-15648-15649.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1101.nc M /issm/trunk-jpl/test/Archives/Archive1102.nc
M /issm/trunk-jpl/test/Archives/Archive1103.nc M /issm/trunk-jpl/test/Archives/Archive1104.nc
M /issm/trunk-jpl/test/Archives/Archive1105.nc M /issm/trunk-jpl/test/Archives/Archive1106.nc
M /issm/trunk-jpl/test/Archives/Archive1107.nc M /issm/trunk-jpl/test/Archives/Archive1108.nc
M /issm/trunk-jpl/test/Archives/Archive1110.nc

Export determination: 6.

Rationale: CHG: updated some archives (minor) for validation NR

Change #254 with diff file ISSM-15649-15650.diff:

Function name:

D /issm/trunk-jpl/src/c/classes/Loads/Icefront.cpp D /issm/trunk-jpl/src/c/classes/Loads/Icefront.h
M /issm/trunk-jpl/src/c/classes/Loads/Load.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h

Export determination: 6.

Rationale: NEW: removed ice front definitively

Change #255 with diff file ISSM-15650-15651.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/classes.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp

Export determination: 6.

Rationale: NEW: removed all reference to ice front

Change #256 with diff file ISSM-15651-15652.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-murdo.sh

Export determination: 6.

Rationale: CHG: update configuration for X11

Change #257 with diff file ISSM-15652-15653.diff:

Function name:

M /issm/trunk-jpl/execution M /issm/trunk-jpl/externalpackages/gdal M /issm/trunk-jpl/externalpackages/triangle

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #258 with diff file ISSM-15653-15654.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-murdo.sh

Export determination: 6.

Rationale: CHG: updated murdo configuration

Change #259 with diff file ISSM-15654-15655.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.h M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp
M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.h M /issm/trunk-jpl/src/c/classes/Materials/Material.cpp
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.h
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/classes/matrix/ElementMatrix.cpp
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/FSpressureEnum.m
A /issm/trunk-jpl/src/m/enum/FSvelocityEnum.m M /issm/trunk-jpl/src/m/enum/MaximumNumberOfEnum.m
A /issm/trunk-jpl/src/m/enum/P1P1Enum.m A /issm/trunk-jpl/src/m/enum/P1P1GLSEnum.m
A /issm/trunk-jpl/src/m/enum/XYZEnum.m D /issm/trunk-jpl/src/m/enum/XYZPEEnum.m

Export determination: 6.

Rationale: NEW: FS can now use different types of interpolation for velocity and pressure

Change #260 with diff file ISSM-15655-15656.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/solve/WriteData.m

M /issm/trunk-jpl/src/m/solve/WriteData.py

Export determination: 6.

Rationale: CHG: change last line of forcing before it is marshalled

Change #261 with diff file ISSM-15656-15657.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp

M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: NEW: Added Taylor Hood element for FS

Change #262 with diff file ISSM-15657-15658.diff:

Function name:

Export determination: 6.

Rationale:

Change #263 with diff file ISSM-15658-15659.diff:

Function name:

Export determination: 6.

Rationale:

Change #264 with diff file ISSM-15659-15660.diff:

Function name:

Export determination: 6.
Rationale:

Change #265 with diff file ISSM-15660-15661.diff:
Function name:

Export determination: 6.
Rationale:

Change #266 with diff file ISSM-15661-15662.diff:
Function name:

Export determination: 6.
Rationale:

Change #267 with diff file ISSM-15662-15663.diff:
Function name:

Export determination: 6.
Rationale:

Change #268 with diff file ISSM-15663-15664.diff:
Function name:

Export determination: 6.
Rationale:

Change #269 with diff file ISSM-15664-15665.diff:
Function name:

Export determination: 6.
Rationale:

Change #270 with diff file ISSM-15665-15666.diff:
Function name:

Export determination: 6.
Rationale:

Change #271 with diff file ISSM-15666-15667.diff:
Function name:

Export determination: 6.
Rationale:

Change #272 with diff file ISSM-15667-15668.diff:
Function name:

Export determination: 6.
Rationale:

Change #273 with diff file ISSM-15668-15669.diff:
Function name:

Export determination: 6.
Rationale:

Change #274 with diff file ISSM-15669-15670.diff:
Function name:

Export determination: 6.
Rationale:

Change #275 with diff file ISSM-15670-15671.diff:
Function name:

Export determination: 6.
Rationale:

Change #276 with diff file ISSM-15671-15672.diff:
Function name:

Export determination: 6.
Rationale:

Change #277 with diff file ISSM-15672-15673.diff:
Function name:

Export determination: 6.
Rationale:

Change #278 with diff file ISSM-15673-15674.diff:
Function name:

Export determination: 6.
Rationale:

Change #279 with diff file ISSM-15674-15675.diff:
Function name:

Export determination: 6.
Rationale:

Change #280 with diff file ISSM-15675-15676.diff:
Function name:

Export determination: 6.

Rationale:

Change #281 with diff file ISSM-15676-15677.diff:

Function name:

Export determination: 6.

Rationale:

Change #282 with diff file ISSM-15677-15678.diff:

Function name:

Export determination: 6.

Rationale:

Change #283 with diff file ISSM-15678-15679.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: added checks on petsc mkl lapack mumps

Change #284 with diff file ISSM-15679-15680.diff:

Function name:

Export determination: 6.

Rationale:

Change #285 with diff file ISSM-15680-15681.diff:

Function name:

Export determination: 6.

Rationale:

Change #286 with diff file ISSM-15681-15682.diff:
Function name:

Export determination: 6.
Rationale:

Change #287 with diff file ISSM-15682-15683.diff:
Function name:

Export determination: 6.
Rationale:

Change #288 with diff file ISSM-15683-15684.diff:
Function name:

Export determination: 6.
Rationale:

Change #289 with diff file ISSM-15684-15685.diff:
Function name:

Export determination: 6.
Rationale:

Change #290 with diff file ISSM-15685-15686.diff:
Function name:

Export determination: 6.
Rationale:

Change #291 with diff file ISSM-15686-15687.diff:
Function name:

Export determination: 6.

Rationale:

Change #292 with diff file ISSM-15687-15688.diff:

Function name:

Export determination: 6.

Rationale:

Change #293 with diff file ISSM-15688-15689.diff:

Function name:

Export determination: 6.

Rationale:

Change #294 with diff file ISSM-15689-15690.diff:

Function name:

Export determination: 6.

Rationale:

Change #295 with diff file ISSM-15690-15691.diff:

Function name:

Export determination: 6.

Rationale:

Change #296 with diff file ISSM-15691-15692.diff:

Function name:

Export determination: 6.

Rationale:

Change #297 with diff file ISSM-15692-15693.diff:

Function name:

Export determination: 6.

Rationale:

Change #298 with diff file ISSM-15693-15694.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test286.m M /issm/trunk-jpl/test/NightlyRun/test286.py

M /issm/trunk-jpl/test/NightlyRun/test290.m M /issm/trunk-jpl/test/NightlyRun/test290.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #299 with diff file ISSM-15694-15695.diff:

Function name:

Export determination: 6.

Rationale:

Change #300 with diff file ISSM-15695-15696.diff:

Function name:

Export determination: 6.

Rationale:

Change #301 with diff file ISSM-15696-15697.diff:

Function name:

Export determination: 6.

Rationale:

Change #302 with diff file ISSM-15697-15698.diff:

Function name:

Export determination: 6.
Rationale:

Change #303 with diff file ISSM-15698-15699.diff:
Function name:

Export determination: 6.
Rationale:

Change #304 with diff file ISSM-15699-15700.diff:
Function name:

Export determination: 6.
Rationale:

Change #305 with diff file ISSM-15700-15701.diff:
Function name:

Export determination: 6.
Rationale:

Change #306 with diff file ISSM-15701-15702.diff:
Function name:

Export determination: 6.
Rationale:

Change #307 with diff file ISSM-15702-15703.diff:
Function name:

Export determination: 6.
Rationale:

Change #308 with diff file ISSM-15703-15704.diff:
Function name:

Export determination: 6.
Rationale:

Change #309 with diff file ISSM-15704-15705.diff:
Function name:

Export determination: 6.
Rationale:

Change #310 with diff file ISSM-15705-15706.diff:
Function name:

Export determination: 6.
Rationale:

Change #311 with diff file ISSM-15706-15707.diff:
Function name:

Export determination: 6.
Rationale:

Change #312 with diff file ISSM-15707-15708.diff:
Function name:

Export determination: 6.
Rationale:

Change #313 with diff file ISSM-15708-15709.diff:

Function name:

Export determination: 6.

Rationale:

Change #314 with diff file ISSM-15709-15710.diff:

Function name:

Export determination: 6.

Rationale:

Change #315 with diff file ISSM-15710-15711.diff:

Function name:

Export determination: 6.

Rationale:

Change #316 with diff file ISSM-15711-15712.diff:

Function name:

Export determination: 6.

Rationale:

Change #317 with diff file ISSM-15712-15713.diff:

Function name:

Export determination: 6.

Rationale:

Change #318 with diff file ISSM-15713-15714.diff:

Function name:

Export determination: 6.

Rationale:

Change #319 with diff file ISSM-15714-15715.diff:

Function name:

Export determination: 6.

Rationale:

Change #320 with diff file ISSM-15715-15716.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fixed error in BH

Change #321 with diff file ISSM-15716-15717.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: removed check header on triangle and replaced by check file

Change #322 with diff file ISSM-15717-15718.diff:

Function name:

Export determination: 6.

Rationale:

Change #323 with diff file ISSM-15718-15719.diff:

Function name:

Export determination: 6.

Rationale:

Change #324 with diff file ISSM-15719-15720.diff:

Function name:

Export determination: 6.

Rationale:

Change #325 with diff file ISSM-15720-15721.diff:

Function name:

Export determination: 6.

Rationale:

Change #326 with diff file ISSM-15721-15722.diff:

Function name:

M /issm/trunk-jpl/externalpackages/valgrind/issm.supp

Export determination: 6.

Rationale: CHG: updating valgrind suppression file

Change #327 with diff file ISSM-15722-15723.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp

Export determination: 6.

Rationale: CHG: finite element interpolation can vary inside a solution

Change #328 with diff file ISSM-15723-15724.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateEdges.cpp

Export determination: 6.

Rationale: BUG: fixed memory leak

Change #329 with diff file ISSM-15724-15725.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.
Rationale: CHG: changed from FSApproximationEnum to FSvelocityEnum
when recovering FS dof

Change #330 with diff file ISSM-15725-15726.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.m

Export determination: 6.

Rationale: NEW: added check on conditional jumps

Change #331 with diff file ISSM-15726-15727.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/Diagnost

Export determination: 6.

Rationale: CHG: some bug fixes and HO now creates its own CreatePVector
adjoint

Change #332 with diff file ISSM-15727-15728.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/steadystate_core.cpp

Export determination: 6.

Rationale: CHG: fixing memory leak

Change #333 with diff file ISSM-15728-15729.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/main/globals.h

M /issm/trunk-jpl/src/c/toolkits/ToolkitOptions.cpp M /issm/trunk-jpl/src/c/toolkits/ToolkitOptions.h

Export determination: 6.

Rationale: CHG: fixing some memory leaks + cosmetics

Change #334 with diff file ISSM-15729-15730.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive512.nc
Export determination: 6.
Rationale: CHG: updating archive now that Adjoint CreateP vetor HO is in
Penta.cpp

Change #335 with diff file ISSM-15730-15731.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: FIX: fixing tiling HOFS, KMatrix first

Change #336 with diff file ISSM-15731-15732.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
Export determination: 6.
Rationale: CHG: extended multiple number of nodes to other solutions

Change #337 with diff file ISSM-15732-15733.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixed segmentation fault

Change #338 with diff file ISSM-15733-15734.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/runme.m
Export determination: 6.
Rationale: NEW: added check on invalid read/write

Change #339 with diff file ISSM-15734-15735.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
Export determination: 6.

Rationale: CHG: added error message if coupling stokes: under development

Change #340 with diff file ISSM-15735-15736.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test285.m M /issm/trunk-jpl/test/NightlyRun/test285.py

Export determination: 6.

Rationale: CHG: relaxing some tolerances

Change #341 with diff file ISSM-15737-15738.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/ElementResults/BoolElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/BoolElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/DoubleElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/DoubleElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/ElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/ElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/PentaP1ElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/PentaP1ElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/TriaP1ElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/TriaP1ElementResult.h M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementHook.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.h M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/BoolInput.h M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.h M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h

Export determination: 6.

Rationale: CHG: for higher order elements, SpawTria must provide more than three indices. For now, we only provide a location integer (0=base, 1=surface). Also removed Results-¿SpawnTriaResults as this function should never be used

Change #342 with diff file ISSM-15738-15739.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #343 with diff file ISSM-15739-15740.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp

Export determination: 6.

Rationale: CHG explicit promotion of literal constants to (active) floats is unnecessary; they should stay just as constants (which without qualifier have double precision) for the mantissa while retaining the exponent as an integer may execute faster (compiler dependent); I discussed this with Eric

Change #344 with diff file ISSM-15740-15741.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h

M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp

M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp

Export determination: 6.

Rationale: CHG: no need to cast numbers to IssmDouble (needed for AD, these variables are NOT active)

Change #345 with diff file ISSM-15741-15742.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/kriging/ExponentialVariogram.cpp

M /issm/trunk-jpl/src/c/classes/kriging/GaussianVariogram.cpp M /issm/trunk-

jpl/src/c/classes/kriging/Observations.cpp M /issm/trunk-jpl/src/c/classes/kriging/PowerVariogram.cpp

M /issm/trunk-jpl/src/c/classes/kriging/Quadtree.cpp M /issm/trunk-jpl/src/c/classes/kriging/SphericalVariogram.cpp

M /issm/trunk-jpl/src/c/shared/Elements/Arrhenius.cpp M /issm/trunk-jpl/src/c/shared/LatLong/Ll2xyx.cpp

M /issm/trunk-jpl/src/c/shared/LatLong/Xy2llx.cpp M /issm/trunk-jpl/src/c/shared/Numerics/GaussPoints.cpp

Export determination: 6.

Rationale: CHG: keep the exponent as an integer may execute faster (compiler dependent)

Change #346 with diff file ISSM-15742-15743.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/matrix/ElementMatrix.cpp
Export determination: 6.
Rationale: CHG: Echo matrix uses lines instead of vector (easier to read)

Change #347 with diff file ISSM-15743-15744.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adolc/install-dev.sh M /issm/trunk-jpl/externalpackages/adolc/install-update-dev.sh

Export determination: 6.

Rationale: CHG move adol-c to the ampi (=adjoinable MPI) git branch

Change #348 with diff file ISSM-15744-15745.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dia

Export determination: 6.

Rationale: CHG: trying to fix coupling HO/FS

Change #349 with diff file ISSM-15745-15746.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: no friction if floating for K FS

Change #350 with diff file ISSM-15746-15747.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: condensation only if DiagnosticHoriz

Change #351 with diff file ISSM-15747-15748.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dia

Export determination: 6.

Rationale: CHG: spc pressure if not FS

Change #352 with diff file ISSM-15748-15749.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_icefront.m

Export determination: 6.

Rationale: BUG: fixed front for 3d models

Change #353 with diff file ISSM-15749-15750.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickn
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/UpdateElementsBalancethickness.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateNodesBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/UpdateElementsBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateNodesEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia/CreateNodesGia.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateNodesHydrologyDCEfficient.c
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEffi
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateNodesHydrologyDCIneffi
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCIn
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateNodesHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateNodesPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateNodesThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/mask.m
M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/model/model.m
M /issm/trunk-jpl/src/m/classes/model/model.py M /issm/trunk-jpl/src/m/contrib/bamg/BamgCall.m
M /issm/trunk-jpl/src/m/contrib/bamg/YamsCall.m M /issm/trunk-jpl/src/m/contrib/bamg/YamsCall.py
M /issm/trunk-jpl/src/m/contrib/bamg/yams.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
D /issm/trunk-jpl/src/m/enum/MaskElementonwaterEnum.m D /issm/trunk-jpl/src/m/enum/MaskVertexonwaterEnum.m
M /issm/trunk-jpl/src/m/mesh/ComputeMetric.m M /issm/trunk-jpl/src/m/mesh/ComputeMetric.py
M /issm/trunk-jpl/src/m/mesh/bamg.m M /issm/trunk-jpl/src/m/mesh/bamg.py
M /issm/trunk-jpl/src/m/mesh/meshconvert.m M /issm/trunk-jpl/src/m/parameterization/setmask.m
M /issm/trunk-jpl/src/m/parameterization/setmask.py
Export determination: 6.
Rationale: CHG: removing elements and vertices on water, which is now included in icelevelset

Change #354 with diff file ISSM-15750-15751.diff:

Function name:
M /issm/trunk-jpl/startup.m
Export determination: 6.
Rationale: CHG: simplifying startup.m

Change #355 with diff file ISSM-15751-15752.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: need to condense Stokes in PVectorHOFS fot tiling

Change #356 with diff file ISSM-15752-15753.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: starting to debug coupling SSA/FS shelf

Change #357 with diff file ISSM-15753-15754.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: fixed pressure for coupling HO/FS and starting debugging
SSA/FS

Change #358 with diff file ISSM-15754-15755.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/UpdateElementsBalancethickness.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp

Export determination: 6.

Rationale: BUG: add MaskIceleaveset to element inputs

Change #359 with diff file ISSM-15755-15756.diff:

Function name:

M /issm/trunk-jpl/packageagers/ubuntu/README

Export determination: 6.

Rationale:

Change #360 with diff file ISSM-15756-15757.diff:

Function name:

A /issm/trunk-jpl/packageagers/ubuntu/issm.deb

Export determination: 6.

Rationale:

Change #361 with diff file ISSM-15757-15758.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: BUG: coupling SSA/FS now running with errors

Change #362 with diff file ISSM-15758-15759.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/UpdateElementsBedSlope.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp

Export determination: 6.

Rationale: CHG: some other solution need MaskIcelevelset

Change #363 with diff file ISSM-15759-15760.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adjoinablempi A /issm/trunk-jpl/externalpackages/adjoinablempi/install.

Export determination: 6.

Rationale: CHG: new library adjoinable MPI, from Jean Utko

Change #364 with diff file ISSM-15760-15761.diff:

Function name:

D /issm/trunk-jpl/externalpackages/adolc/install-2.2.0.sh D /issm/trunk-jpl/externalpackages/adolc/install-dev.sh D /issm/trunk-jpl/externalpackages/adolc/install-update-dev.sh A /issm/trunk-jpl/externalpackages/adolc/install.sh (from /issm/trunk-jpl/externalpackages/adolc/install-dev.sh:15759) A /issm/trunk-jpl/externalpackages/adolc/old A /issm/trunk-jpl/externalpackages/adolc/old/install-2.2.0.sh (from /issm/trunk-jpl/externalpackages/adolc/install-2.2.0.sh:15759) A

/issm/trunk-jpl/externalpackages/adolc/old/update.sh (from /issm/trunk-jpl/externalpackages/adolc/update.

A /issm/trunk-jpl/externalpackages/adolc/update-existing.sh (from /issm/trunk-

jpl/externalpackages/adolc/install-update-dev.sh:15759) D /issm/trunk-jpl/externalpackages/adolc/update.sh

Export determination: 6.

Rationale: CHG: moved old config files to old/ directory. Renamed to make it clearer.

Change #365 with diff file ISSM-15761-15762.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh

Export determination: 6.

Rationale: CHG: point to mpich

Change #366 with diff file ISSM-15762-15763.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adolc/install-withampi.sh M /issm/trunk-jpl/externalpackages/adolc/install.sh M /issm/trunk-jpl/externalpackages/adolc/update-existing.sh

Export determination: 6.

Rationale: CHG: added dynamic linking to pmpich, which was missing.

Change #367 with diff file ISSM-15763-15764.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #368 with diff file ISSM-15764-15765.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: added adjoinable mpi libraries in autotools and the makefiles

Change #369 with diff file ISSM-15765-15766.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp

Export determination: 6.

Rationale: CHG: Hydrology Shreve needs to know where ice is floating and where it is grounded

Change #370 with diff file ISSM-15766-15767.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive215.nc M /issm/trunk-jpl/test/Archives/Archive322.nc

M /issm/trunk-jpl/test/Archives/Archive511.nc

Export determination: 6.

Rationale: CHG: updating archive, as we discovered that friction was applied to all elements in FS

Change #371 with diff file ISSM-15767-15768.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/ad/validation/Update/update.m
M /issm/trunk-jpl/src/ad/validation/Validation/validation.m M /issm/trunk-
jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AnalysisConfiguration.cpp
M /issm/trunk-jpl/src/c/analyses/CorePointerFromSolutionEnum.cpp M /issm/trunk-
jpl/src/c/analyses/analyses.h A /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp
(from /issm/trunk-jpl/src/c/analyses/prognostic_core.cpp:15764) D /issm/trunk-
jpl/src/c/analyses/prognostic_core.cpp M /issm/trunk-jpl/src/c/analyses/transient_core.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalf
M /issm/trunk-jpl/src/c/classes/Loads/Pair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pair.h
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSe
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jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp A /issm/trunk-
jpl/src/c/modules/ModelProcessorx/Masstransport (from /issm/trunk-jpl/src/c/modules/ModelProcessorx/P
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateConstraintsMasstransport.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateConstraintsPrognostic.cpp:15764)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateConstraintsPrognostic.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateLoadsMasstransport.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateLoadsPrognostic.cpp:15764)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateLoadsPrognostic.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateNodesMasstransport.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/CreateNodesPrognostic.cpp:15764)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateNodesPrognostic.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/UpdateElementsMasstransport.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/Prognostic/UpdateElementsPrognostic.cpp:15764)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/UpdateElementsPrognostic.cpp
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jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h D /issm/trunk-jpl/src/c/modules/ModelProcessorx/I
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M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/boundaryconditions/Se
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.py M /issm/trunk-
jpl/src/m/boundaryconditions/SetIceSheetBC.m M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-
jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/m/classes/basalforcings.m
M /issm/trunk-jpl/src/m/classes/basalforcings.py M /issm/trunk-jpl/src/m/classes/gia.m
M /issm/trunk-jpl/src/m/classes/gia.py M /issm/trunk-jpl/src/m/classes/initialization.m
M /issm/trunk-jpl/src/m/classes/initialization.py A /issm/trunk-jpl/src/m/classes/masstransport.m
(from /issm/trunk-jpl/src/m/classes/prognostic.m:15764) A /issm/trunk-jpl/src/m/classes/masstransport.py
(from /issm/trunk-jpl/src/m/classes/prognostic.py:15764) M /issm/trunk-jpl/src/m/classes/mesh.m
M /issm/trunk-jpl/src/m/classes/mesh.py M /issm/trunk-jpl/src/m/classes/model/model.m
M /issm/trunk-jpl/src/m/classes/model/model.py M /issm/trunk-jpl/src/m/classes/model/planet.m

M /issm/trunk-jpl/src/m/classes/modellist.m A /issm/trunk-jpl/src/m/classes/oldclasses/prognostic.m
(from /issm/trunk-jpl/src/m/classes/prognostic.m:15764) M /issm/trunk-jpl/src/m/classes/planetmesh.m
D /issm/trunk-jpl/src/m/classes/prognostic.m D /issm/trunk-jpl/src/m/classes/prognostic.py
M /issm/trunk-jpl/src/m/classes/surfaceforcings.m M /issm/trunk-jpl/src/m/classes/surfaceforcings.py
M /issm/trunk-jpl/src/m/classes/transient.m M /issm/trunk-jpl/src/m/classes/transient.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-
jpl/src/m/consistency/ismodelselfconsistent.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/MasstransportAnalysisEnum.m A /issm/trunk-
jpl/src/m/enum/MasstransportHydrostaticAdjustmentEnum.m A /issm/trunk-
jpl/src/m/enum/MasstransportMinThicknessEnum.m A /issm/trunk-jpl/src/m/enum/MasstransportNumReq
A /issm/trunk-jpl/src/m/enum/MasstransportPenaltyFactorEnum.m A /issm/trunk-
jpl/src/m/enum/MasstransportRequestedOutputsEnum.m A /issm/trunk-jpl/src/m/enum/MasstransportSolu
A /issm/trunk-jpl/src/m/enum/MasstransportSpcthicknessEnum.m A /issm/trunk-
jpl/src/m/enum/MasstransportStabilizationEnum.m A /issm/trunk-jpl/src/m/enum/MasstransportVertexPair
D /issm/trunk-jpl/src/m/enum/PrognosticAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/PrognosticHydro
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jpl/src/m/enum/PrognosticNumRequestedOutputsEnum.m D /issm/trunk-jpl/src/m/enum/PrognosticPenalt
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jpl/src/m/enum/PrognosticSolutionEnum.m D /issm/trunk-jpl/src/m/enum/PrognosticSpcthicknessEnum.m
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jpl/src/m/enum/PrognosticVertexPairingEnum.m A /issm/trunk-jpl/src/m/enum/TransientIsasstransportE
D /issm/trunk-jpl/src/m/enum/TransientIsprognosticEnum.m M /issm/trunk-
jpl/src/m/qmu/process_qmu_options.m M /issm/trunk-jpl/src/m/regional/regionaltransient2d.m
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M /issm/trunk-jpl/src/m/solve/solve.m M /issm/trunk-jpl/src/m/solve/solve.py
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test105.m M /issm/trunk-jpl/test/NightlyRun/test105.py
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M /issm/trunk-jpl/test/Par/GiaBenchmarksCD.par M /issm/trunk-jpl/test/Par/ISMIPF.par
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M /issm/trunk-jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelf.par
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M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py

Export determination: 6.

Rationale: CHG: Prognostic is now Masstransport

Change #372 with diff file ISSM-15768-15769.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/model/model.m

M /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m

Export determination: 6.

Rationale: CHG: can now load old models

Change #373 with diff file ISSM-15769-15770.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: Fixed tiling ice shelf

Change #374 with diff file ISSM-15770-15771.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: starting to debug tiling HO/FS for ice sheets

Change #375 with diff file ISSM-15771-15772.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/ad/validation/Update/SquareShelfConstrained

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AdjointCorePointerFromSolutionEnum

M /issm/trunk-jpl/src/c/analyses/AnalysisConfiguration.cpp M /issm/trunk-

jpl/src/c/analyses/CorePointerFromSolutionEnum.cpp D /issm/trunk-jpl/src/c/analyses/adjointdiagnostic.co

A /issm/trunk-jpl/src/c/analyses/adjointstressbalance.core.cpp (from /issm/trunk-

jpl/src/c/analyses/adjointdiagnostic.core.cpp:15769) M /issm/trunk-jpl/src/c/analyses/analyses.h

M /issm/trunk-jpl/src/c/analyses/control.core.cpp M /issm/trunk-jpl/src/c/analyses/dakota.core.cpp

D /issm/trunk-jpl/src/c/analyses/diagnostic.core.cpp M /issm/trunk-jpl/src/c/analyses/objectivefunction.cpp

M /issm/trunk-jpl/src/c/analyses/steadystate.core.cpp A /issm/trunk-jpl/src/c/analyses/stressbalance.core.c

(from /issm/trunk-jpl/src/c/analyses/diagnostic.core.cpp:15769) M /issm/trunk-

jpl/src/c/analyses/transient.core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h

M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp D /issm/trunk-

jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dia

D /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/modules/ModelProcess

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h A /issm/trunk-jpl/src/c/modules/ModelProcessorx/S

(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz:15769)

D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsDiagnosticHoriz.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsStressbalance.cpp

(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateConstraintsDiagnosticHoriz.cpp
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateLoadsDiagnosticHoriz.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateLoadsStressbalance.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateLoadsDiagnosticHoriz.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateNodesDiagnosticHoriz.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateNodesStressbalance.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/CreateNodesDiagnosticHoriz.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsDiagnosticHoriz.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHoriz/UpdateElementsDiagnosticHoriz.cpp:15769)
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA (from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter:15769) D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateConstraintsDiagnosticHutter.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateConstraintsStressbalanceSIA.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateConstraintsDiagnosticHutter.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateLoadsDiagnosticHutter.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateLoadsStressbalanceSIA.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateLoadsDiagnosticHutter.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateNodesDiagnosticHutter.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateNodesStressbalanceSIA.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/CreateNodesDiagnosticHutter.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/UpdateElementsDiagnosticHutter.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/UpdateElementsStressbalanceSIA.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticHutter/UpdateElementsDiagnosticHutter.cpp:15769)
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical (from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert:15769) D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateConstraintsDiagnosticVert.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateConstraintsStressbalanceVertical.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateConstraintsDiagnosticVert.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateLoadsDiagnosticVert.cpp
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(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateLoadsDiagnosticVert.cpp:15769)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateNodesDiagnosticVert.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateNodesStressbalanceVertical.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/CreateNodesDiagnosticVert.cpp:15769)
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(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/DiagnosticVert/UpdateElementsDiagnosticVert.cpp:15769)
M /issm/trunk-jpl/src/c/modules/OutputRiftsx/OutputRiftsx.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/solutionsequences/convergence.cpp
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[illegible]

M /issm/trunk-jpl/test/Par/RoundSheetShelf.py M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.par
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py M /issm/trunk-jpl/test/Par/SquareSheetConstrai
M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py M /issm/trunk-jpl/test/Par/SquareSheetShelf.par
M /issm/trunk-jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelf.par
M /issm/trunk-jpl/test/Par/SquareShelf.py M /issm/trunk-jpl/test/Par/SquareShelf2.par
M /issm/trunk-jpl/test/Par/SquareShelf2.py M /issm/trunk-jpl/test/Par/SquareShelfConstrained.par
M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py M /issm/trunk-jpl/test/Par/SquareThermal.par
M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: CHG: Diagnostic is now Stressbalance

Change #376 with diff file ISSM-15772-15773.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: minor fix

Change #377 with diff file ISSM-15773-15774.diff:

Function name:

D /issm/trunk-jpl/src/m/enum/DiagnosticAbstolEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticFSrecon
D /issm/trunk-jpl/src/m/enum/DiagnosticHorizAnalysisEnum.m D /issm/trunk-
jpl/src/m/enum/DiagnosticIcefrontEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticIsnewtonEnum.m
D /issm/trunk-jpl/src/m/enum/DiagnosticMaxiterEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticNumRe
D /issm/trunk-jpl/src/m/enum/DiagnosticPenaltyFactorEnum.m D /issm/trunk-
jpl/src/m/enum/DiagnosticReferentialEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticReltolEnum.m
D /issm/trunk-jpl/src/m/enum/DiagnosticRequestedOutputsEnum.m D /issm/trunk-
jpl/src/m/enum/DiagnosticRestolEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticRiftPenaltyLockEnum.m
D /issm/trunk-jpl/src/m/enum/DiagnosticRiftPenaltyThresholdEnum.m D /issm/trunk-
jpl/src/m/enum/DiagnosticSIAAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticShelfDampeningE
D /issm/trunk-jpl/src/m/enum/DiagnosticSolutionEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticSpcvx
D /issm/trunk-jpl/src/m/enum/DiagnosticSpcvyEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticSpcvzEn
D /issm/trunk-jpl/src/m/enum/DiagnosticVertAnalysisEnum.m D /issm/trunk-
jpl/src/m/enum/DiagnosticVertexPairingEnum.m D /issm/trunk-jpl/src/m/enum/DiagnosticViscosityOversh
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A /issm/trunk-jpl/src/m/enum/StressbalanceMaxiterEnum.m A /issm/trunk-
jpl/src/m/enum/StressbalanceNumRequestedOutputsEnum.m A /issm/trunk-
jpl/src/m/enum/StressbalancePenaltyFactorEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceReferential
A /issm/trunk-jpl/src/m/enum/StressbalanceReltolEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceRecon

A /issm/trunk-jpl/src/m/enum/StressbalanceRestolEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceRiftPenaltyThresholdEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceSIAAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceShelfDampeningEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceSolutionEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceSpcvxEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceSpcvzEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceVerticalAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/StressbalanceViscosityOvershootEnum.m D /issm/trunk-jpl/src/m/enum/TransientIsdiagnosisEnum.m A /issm/trunk-jpl/src/m/enum/TransientIsstressbalanceEnum.m
 Export determination: 6.
 Rationale: CHG: Syncing Enums

Change #378 with diff file ISSM-15774-15775.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-ad.sh M /issm/trunk-jpl/configs/config-macosx64-ad.sh

Export determination: 6.

Rationale: CHG: diagnostic is now stressbalance

Change #379 with diff file ISSM-15775-15776.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model/model.m

Export determination: 6.

Rationale: CHG: can now load old models with md.diagnostic

Change #380 with diff file ISSM-15776-15777.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: fixed coupling HO/FS ice sheet

Change #381 with diff file ISSM-15777-15778.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmAbsMat.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmAbsVec.h

Export determination: 6.

Rationale: CHG: include types in order to define IssmDouble

Change #382 with diff file ISSM-15778-15779.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adjoinablempi/install-macosx64.sh M /issm/trunk-jpl/externalpackages/adjoinablempi/install.sh

Export determination: 6.

Rationale: CHG: variations of the install script

Change #383 with diff file ISSM-15779-15780.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

Export determination: 6.

Rationale: BUG: fixed coupling SSA/FS sheet

Change #384 with diff file ISSM-15780-15781.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adolc A /issm/trunk-jpl/externalpackages/adolc/install-withamp-macosx64.sh M /issm/trunk-jpl/externalpackages/adolc/install-withampi.sh

Export determination: 6.

Rationale: CHG: updated install script to apply to macosx64 and linux64

Change #385 with diff file ISSM-15781-15782.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adolc

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #386 with diff file ISSM-15782-15783.diff:

Function name:

M /issm/trunk-jpl/src/c/main/kriging.cpp

Export determination: 6.

Rationale: CHG: MPI_COMM undefined

Change #387 with diff file ISSM-15783-15784.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: fixed leak:

Change #388 with diff file ISSM-15784-15785.diff:

Function name:

M /issm/trunk-jpl/configs/config-discover.sh M /issm/trunk-jpl/configs/config-linux64-larsen-ad.sh M /issm/trunk-jpl/configs/config-linux64-murdo-ad.sh M /issm/trunk-jpl/configs/config-linux64-murdo-nopetsc.sh M /issm/trunk-jpl/configs/config-linux64-murdo.sh M /issm/trunk-jpl/configs/config-linux64-ubuntu64.sh M /issm/trunk-jpl/configs/config-macosx64-ogive.sh M /issm/trunk-jpl/configs/config-macosx64.sh M /issm/trunk-jpl/configs/config-win7-32.sh M /issm/trunk-jpl/configs/config-win7-64.sh

Export determination: 6.

Rationale: CHG: MATLAB_DIR is not defined by default

Change #389 with diff file ISSM-15785-15786.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: minor useless empty line

Change #390 with diff file ISSM-15786-15787.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.m

Export determination: 6.

Rationale: CHG: there is no return data

Change #391 with diff file ISSM-15787-15788.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: don't delete doflist

Change #392 with diff file ISSM-15788-15789.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: fixing memory leak

Change #393 with diff file ISSM-15789-15790.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: fixed BC

Change #394 with diff file ISSM-15790-15791.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: fixing memory leak

Change #395 with diff file ISSM-15791-15792.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test237.m M /issm/trunk-jpl/test/NightlyRun/test237.py
Export determination: 6.
Rationale: CHG: use only one cpu for small mesh

Change #396 with diff file ISSM-15792-15793.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h
Export determination: 6.

Rationale: CHG: update coordinates for all basal nodes

Change #397 with diff file ISSM-15793-15794.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h

Export determination: 6.

Rationale: BUG: wrong prototype

Change #398 with diff file ISSM-15794-15795.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp

Export determination: 6.

Rationale: CHG: fixing penalty for FS

Change #399 with diff file ISSM-15795-15796.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.m M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m

Export determination: 6.

Rationale: CHG: added spcs on the border of ice front to get coherent boundary conditions

Change #400 with diff file ISSM-15796-15797.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.m M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-jpl/src/m/boundaryconditions/SetMa

Export determination: 6.

Rationale: CHG: trying to add boundary condition change in python

Change #401 with diff file ISSM-15797-15798.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: CHG: fixing python BC

Change #402 with diff file ISSM-15798-15799.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: FIX: python BC again

Change #403 with diff file ISSM-15799-15800.diff:

Function name:

A /issm/trunk-jpl/examples/Mesh A /issm/trunk-jpl/examples/Mesh/Square.exp

A /issm/trunk-jpl/examples/Mesh/circles.m A /issm/trunk-jpl/examples/Mesh/shock.m

Export determination: 6.

Rationale: NEW: added Mesh tutorial

Change #404 with diff file ISSM-15800-15801.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive201.nc M /issm/trunk-jpl/test/Archives/Archive202.nc
M /issm/trunk-jpl/test/Archives/Archive203.nc M /issm/trunk-jpl/test/Archives/Archive204.nc
M /issm/trunk-jpl/test/Archives/Archive205.nc M /issm/trunk-jpl/test/Archives/Archive207.nc
M /issm/trunk-jpl/test/Archives/Archive208.nc M /issm/trunk-jpl/test/Archives/Archive209.nc
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M /issm/trunk-jpl/test/Archives/Archive512.nc M /issm/trunk-jpl/test/Archives/Archive513.nc
M /issm/trunk-jpl/test/Archives/Archive515.nc

Export determination: 6.

Rationale: CHG: updated archives for spcs that go all the way to the front

Change #405 with diff file ISSM-15801-15802.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: CHG: finished boundary condition change in python

Change #406 with diff file ISSM-15802-15803.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m

Export determination: 6.

Rationale: BUG: diagnostic class is not stressbalance

Change #407 with diff file ISSM-15803-15804.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1105.m M /issm/trunk-jpl/test/NightlyRun/test1106.m

M /issm/trunk-jpl/test/NightlyRun/test1108.m

Export determination: 6.

Rationale: CHG: updated some tolerances for validation NR (changes in nodes)

Change #408 with diff file ISSM-15804-15805.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1501.nc M /issm/trunk-jpl/test/Archives/Archive1502.nc

M /issm/trunk-jpl/test/Archives/Archive1601.nc M /issm/trunk-jpl/test/Archives/Archive1602.nc

Export determination: 6.

Rationale: CHG: updated archives with newest spc values

Change #409 with diff file ISSM-15805-15806.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: do not include globals.h in libISSMCore

Change #410 with diff file ISSM-15806-15807.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py

Export determination: 6.

Rationale: BUG: Set up mask.icelevelset values before creating dirichlets

Change #411 with diff file ISSM-15807-15808.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-

jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: BUG: trying to fix python BC

Change #412 with diff file ISSM-15808-15809.diff:

Function name:

A /issm/trunk-jpl/src/c/shared/Elements/LliboutryDuval.cpp

Export determination: 6.

Rationale: LliboutryDuval.cpp implements the weakening effect of water content to the Arrhenius ice rheology, required for the enthalpy module.

Change #413 with diff file ISSM-15809-15810.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: Added c/shared/Elements/LliboutryDuval.cpp to Makefile.am

Change #414 with diff file ISSM-15810-15811.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: reverted Makefile.am and added shared/Elements/LliboutryDuval.cpp

Change #415 with diff file ISSM-15811-15812.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test225.m M /issm/trunk-jpl/test/NightlyRun/test274.m

M /issm/trunk-jpl/test/NightlyRun/test287.m M /issm/trunk-jpl/test/NightlyRun/test290.m

M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test422.m

M /issm/trunk-jpl/test/NightlyRun/test506.m

Export determination: 6.

Rationale: CHG: updated matlab tolerances with new spc up to the front

Change #416 with diff file ISSM-15812-15813.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-

jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: BUG: indices in pythoon and matlab differ by 1

Change #417 with diff file ISSM-15813-15814.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: CHG: updating syntax highlight

Change #418 with diff file ISSM-15814-15815.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: fixing seg fault in 3d GL migration module

Change #419 with diff file ISSM-15815-15816.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: BUG: still fixing python BC

Change #420 with diff file ISSM-15816-15817.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py

Export determination: 6.

Rationale: BUG: hopefully fixed python spc

Change #421 with diff file ISSM-15817-15818.diff:

Function name:

M /issm/trunk-jpl/src/m/inversions/misfit.m

Export determination: 6.

Rationale: Diagnostic -j, Stressbalance

Change #422 with diff file ISSM-15818-15819.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test104.m M /issm/trunk-jpl/test/NightlyRun/test201.m
M /issm/trunk-jpl/test/NightlyRun/test202.m M /issm/trunk-jpl/test/NightlyRun/test203.m
M /issm/trunk-jpl/test/NightlyRun/test204.m M /issm/trunk-jpl/test/NightlyRun/test221.m
M /issm/trunk-jpl/test/NightlyRun/test225.py M /issm/trunk-jpl/test/NightlyRun/test421.m
M /issm/trunk-jpl/test/NightlyRun/test421.py M /issm/trunk-jpl/test/NightlyRun/test422.m
M /issm/trunk-jpl/test/NightlyRun/test422.py M /issm/trunk-jpl/test/NightlyRun/test429.m
M /issm/trunk-jpl/test/NightlyRun/test429.py M /issm/trunk-jpl/test/NightlyRun/test506.m
M /issm/trunk-jpl/test/NightlyRun/test506.py M /issm/trunk-jpl/test/NightlyRun/test513.m

Export determination: 6.

Rationale: CHG: updated tolerances for spc

Change #423 with diff file ISSM-15819-15820.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test104.m

Export determination: 6.

Rationale: FIX: wrong commit—This line, and those below, will be ignored— M

NightlyRun/test104.m

Change #424 with diff file ISSM-15820-15821.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test201.m M /issm/trunk-jpl/test/NightlyRun/test202.m
M /issm/trunk-jpl/test/NightlyRun/test203.m M /issm/trunk-jpl/test/NightlyRun/test204.m
M /issm/trunk-jpl/test/NightlyRun/test221.m M /issm/trunk-jpl/test/NightlyRun/test421.m
M /issm/trunk-jpl/test/NightlyRun/test422.m

Export determination: 6.

Rationale: CHG: fixed wrong commits

Change #425 with diff file ISSM-15821-15822.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adolc/install.sh M /issm/trunk-jpl/externalpackages/adolc/update-existing.sh

Export determination: 6.

Rationale: CHG: setting libdir

Change #426 with diff file ISSM-15822-15823.diff:

Function name:

D /issm/trunk-jpl/scripts/dailyrun.sh D /issm/trunk-jpl/scripts/errlog_process.sh

D /issm/trunk-jpl/scripts/issm_webpdf.sh M /issm/trunk-jpl/scripts/tai M /issm/trunk-jpl/scripts/vie M /issm/trunk-jpl/scripts/vil

Export determination: 6.

Rationale: DEL: removed some useless scripts, and updated vie vil and tai

Change #427 with diff file ISSM-15823-15824.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matice.m

Export determination: 6.

Rationale: Added LliboutryDuval rheology to checkconsistency and disp.

Change #428 with diff file ISSM-15824-15825.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matice.py

Export determination: 6.

Rationale: Added LliboutryDuval rheology to checkconsistency and disp for python code.

Change #429 with diff file ISSM-15825-15826.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.m

Export determination: 6.

Rationale: Added LliboutryDuval rheology to checkconsistency and disp for matdamageice.m

Change #430 with diff file ISSM-15826-15827.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py

Export determination: 6.

Rationale: Added LliboutryDuval rheology to checkconsistency and disp for matdamageice.py

Change #431 with diff file ISSM-15827-15828.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h

Export determination: 6.

Rationale: Added LliboutryDuvalEnum for LliboutryDuval rheology (required for enthalpy module).

Change #432 with diff file ISSM-15828-15829.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/LliboutryDuvalEnum.m

Export determination: 6.

Rationale: added LliboutryDuvalEnum.m in case that src/c/shared/Enum/synchronize.sh does not run regularly

Change #433 with diff file ISSM-15829-15830.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

Export determination: 6.

Rationale: Added LliboutryDuvalEnum for python

Change #434 with diff file ISSM-15830-15831.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/strainrateuncert.m

Export determination: 6.

Rationale: updated strain rate uncertainty calculation

Change #435 with diff file ISSM-15831-15832.diff:

Function name:

A /issm/trunk-jpl/src/m/mech/steadystateiceshelftemp.m

Export determination: 6.

Rationale: NEW: function to calculate steady state ice shelf temperature as a function of surface and basal temperature and basal melting rate. Accounts for vertical advection and conduction of heat within the ice column, does not account for horizontal advection

Change #436 with diff file ISSM-15832-15833.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/steadystateiceshelftemp.m A /issm/trunk-jpl/src/m/mech/steadystateiceshelf

Export determination: 6.

Rationale: NEW: python version of function to calculate steady state ice shelf temperature

Change #437 with diff file ISSM-15833-15834.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test104.m

Export determination: 6.

Rationale: CHG: fixed typo in test104. Helene, Mathieu, please check on this

Change #438 with diff file ISSM-15834-15835.diff:

Function name:

A /issm/trunk-jpl/src/c/toolkits/mpi/commops (from /issm/trunk-jpl/src/c/toolkits/mpi/patches:15833)

A /issm/trunk-jpl/src/c/toolkits/mpi/commops/commops.h (from /issm/trunk-

jpl/src/c/toolkits/mpi/patches/mpipatches.h:15833) D /issm/trunk-jpl/src/c/toolkits/mpi/commops/mpipatch

M /issm/trunk-jpl/src/c/toolkits/mpi/mpiincludes.h D /issm/trunk-jpl/src/c/toolkits/mpi/patches

Export determination: 6.

Rationale: CHG: temporary change

Change #439 with diff file ISSM-15835-15836.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: change of mpi/patches to mpi/commops

Change #440 with diff file ISSM-15836-15837.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

A /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h D /issm/trunk-jpl/src/c/toolkits/mpi/mpiincludes.h

Export determination: 6.

Rationale: CHG: starting transition from mpi to issm mpi

Change #441 with diff file ISSM-15837-15838.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: CHG: finished setting up issmmpi.cpp, starting code-wide conversion from mpi to issmmpi

Change #442 with diff file ISSM-15838-15839.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/DakotaSpawnCore.cpp

M /issm/trunk-jpl/src/c/analyses/EnvironmentFinalize.cpp M /issm/trunk-jpl/src/c/analyses/EnvironmentIn

M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.cpp M /issm/trunk-

jpl/src/c/classes/Elements/Elements.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/IndependentObject.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/classes/Nodes.cpp

M /issm/trunk-jpl/src/c/classes/Patch.cpp M /issm/trunk-jpl/src/c/classes/Profiler.cpp

M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/RiftConstr

M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ThermalConstraintsState.cpp

M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ThermalIsPresent.cpp M

/issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp

M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp

M /issm/trunk-jpl/src/c/modules/Krigingx/pKrigingx.cpp M /issm/trunk-jpl/src/c/modules/NodalValuex/N

M /issm/trunk-jpl/src/c/modules/ParseToolkitsOptionsx/ParseToolkitsOptionsx.cpp

M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceAreax/SurfaceAreax.cpp M /issm/trunk-

jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp M

/issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp

M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp

M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.cpp

M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp

M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp

M /issm/trunk-jpl/src/c/shared/Numerics/types.h M /issm/trunk-jpl/src/c/shared/io/Comm/Comm.h

D /issm/trunk-jpl/src/c/shared/io/Comm/CommDef.h M /issm/trunk-jpl/src/c/shared/io/Comm/IssmComm

M /issm/trunk-jpl/src/c/shared/io/Comm/IssmComm.h M /issm/trunk-jpl/src/c/shared/io/Disk/pfopen.cpp

M /issm/trunk-jpl/src/c/toolkits/issm/Bucket.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiDenseMat.h

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h M /issm/trunk-jpl/src/c/toolkits/mpi/commops/Deter

M /issm/trunk-jpl/src/c/toolkits/mpi/commops/DetermineLocalSize.cpp M /issm/trunk-

jpl/src/c/toolkits/mpi/commops/DetermineRowRankFromLocalSize.cpp M /issm/trunk-

jpl/src/c/toolkits/mpi/commops/GetOwnershipBoundariesFromRange.cpp M /issm/trunk-

jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatM

M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatToSerial.cpp M /issm/trunk-

jpl/src/c/toolkits/petsc/patches/NewMat.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/NewVec.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecToMPISerial.cpp M /issm/trunk-
jpl/src/c/toolkits/plapack/patches/PlapackInvertMatrix.cpp M /issm/trunk-jpl/src/c/toolkits/toolkits.h
Export determination: 6.
Rationale: CHG: initial conversion from mpi to issmmmpi layer. Starting valida-
tion of the new code changes

Change #443 with diff file ISSM-15839-15840.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnvironmentInit.cpp
M /issm/trunk-jpl/src/c/analyses/analyses.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/main/globals.h
M /issm/trunk-jpl/src/c/main/issm.cpp M /issm/trunk-jpl/src/c/main/kriging.cpp
M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp D /issm/trunk-jpl/src/c/shared/io/Comm/Comm
M /issm/trunk-jpl/src/c/shared/io/Comm/IssmComm.cpp M /issm/trunk-jpl/src/c/shared/io/Comm/IssmCo
M /issm/trunk-jpl/src/c/shared/io/Disk/WriteLockFile.cpp M /issm/trunk-jpl/src/c/shared/io/Disk/pfopen.c
M /issm/trunk-jpl/src/c/shared/io/Print/PrintfFunction.cpp M /issm/trunk-
jpl/src/c/shared/io/io.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolkitUtils.cpp
M /issm/trunk-jpl/src/c/toolkits/mpi/commops/DetermineGlobalSize.cpp M /issm/trunk-
jpl/src/c/toolkits/mpi/commops/DetermineLocalSize.cpp M /issm/trunk-jpl/src/c/toolkits/mpi/commops/D
M /issm/trunk-jpl/src/c/toolkits/mpi/commops/GetOwnershipBoundariesFromRange.cpp
M /issm/trunk-jpl/src/c/toolkits/mpi/commops/commops.h M /issm/trunk-jpl/src/c/toolkits/mpi/issmmmpi.h
M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp M /issm/trunk-
jpl/src/c/toolkits/petsc/objects/PetscSolver.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatMultPa
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatToSerial.cpp M /issm/trunk-
jpl/src/c/toolkits/petsc/patches/NewMat.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/NewVec.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecToMPISerial.cpp M /issm/trunk-
jpl/src/c/toolkits/petsc/patches/petscpatches.h
Export determination: 6.
Rationale: CHG: deleted Comm, as it is basically the same thing as what we
define as ISSM_MPI_Comm in the mpi/issmcomm.h layer. Also finished the
conversion from the MPI layer to the ISSM MPI layer.

Change #444 with diff file ISSM-15840-15841.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmmpi.h
Export determination: 6.
Rationale: CHG: missing std c++ header file

Change #445 with diff file ISSM-15841-15842.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: have to move some of the new issmmpi layer to the standard core sources, as we now rely on this layer even for serial runs!

Change #446 with diff file ISSM-15842-15843.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/paterson.py

Export determination: 6.

Rationale: CHG: reshape temperature so that resulting rigidity is in the same shape (rank-1 array) as the other rheology components

Change #447 with diff file ISSM-15843-15844.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/kml/KMLFileReadUtils.cpp M /issm/trunk-jpl/src/c/kml/KML_LineString.cpp

M /issm/trunk-jpl/src/c/kml/KML_LinearRing.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stress

M /issm/trunk-jpl/src/c/shared/Elements/Arrhenius.cpp M /issm/trunk-jpl/src/c/shared/Elements/Lliboutry

Export determination: 6.

Rationale: CHG: fixed a bunch of asserts that were not dealing with booleans.

Also made sure kriging and adolc cannot be compiled together.

Change #448 with diff file ISSM-15844-15845.diff:

Function name:

A /issm/trunk-jpl/src/m/mech/mechanicalproperties.py

Export determination: 6.

Rationale: NEW: python version of mechanicalproperties function

Change #449 with diff file ISSM-15845-15846.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: added library dependencies for adjoinable mpi and adolc.

Circular dependencies need to be taken care of. Be aware that .la files will mess this up!

Change #450 with diff file ISSM-15846-15847.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: CHG: implemented ISSM_MPI_Wtime for MPI case, temporary fix for the NR to run

Change #451 with diff file ISSM-15847-15848.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: use xIsNan instead of isnan for viscosity check

Change #452 with diff file ISSM-15848-15849.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am

M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: in future versions of automake, option AUTOMAKE_OPTIONS = subdir-objects is required

Change #453 with diff file ISSM-15849-15850.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DakotaSpawnCore.cpp M /issm/trunk-jpl/src/c/analyses/ResetBoundaryC

M /issm/trunk-jpl/src/c/analyses/adjointbalancethickness_core.cpp M /issm/trunk-

jpl/src/c/analyses/adjointstressbalance_core.cpp M /issm/trunk-jpl/src/c/analyses/balancethickness_core.cpp

M /issm/trunk-jpl/src/c/analyses/bedslope_core.cpp M /issm/trunk-jpl/src/c/analyses/control_core.cpp

M /issm/trunk-jpl/src/c/analyses/controltao_core.cpp M /issm/trunk-jpl/src/c/analyses/enthalpy_core.cpp

M /issm/trunk-jpl/src/c/analyses/gia_core.cpp M /issm/trunk-jpl/src/c/analyses/hydrology_core.cpp

M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp M /issm/trunk-jpl/src/c/analyses/steadystate_core.

M /issm/trunk-jpl/src/c/analyses/stressbalance_core.cpp M /issm/trunk-jpl/src/c/analyses/surfaceslope_core.

M /issm/trunk-jpl/src/c/analyses/thermal_core.cpp M /issm/trunk-jpl/src/c/analyses/transient_core.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/Constra
M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.h M /issm/trunk-
jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.cpp M /issm/trunk-
jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.h M /issm/trunk-
jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp M /issm/trunk-
jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.h M /issm/trunk-
jpl/src/c/modules/InputToResultx/InputToResultx.cpp M /issm/trunk-jpl/src/c/modules/InputToResultx/In
M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromDakotax/InputUpdateFromDakotax.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.h
M /issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.cpp M
/issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.h M /issm/trunk-
jpl/src/c/modules/SurfaceAreax/SurfaceAreax.cpp M /issm/trunk-jpl/src/c/modules/SurfaceAreax/SurfaceA
M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.h
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_adjoint_linear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_linear.cpp M /issm/trunk-
jpl/src/c/solutionsequences/solutionsequence_newton.cpp M /issm/trunk-jpl/src/c/solutionsequences/solution
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_stokescoupling_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.
Rationale: CHG: moved some modules back to src/modules and simplified some
prototypes

Change #454 with diff file ISSM-15850-15851.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp

Export determination: 6.

Rationale: CHG: fixed dakota prototype

Change #455 with diff file ISSM-15851-15852.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: subdir-objects needs to be deactivated for now, as python and matlab both use different version of the same objects

Change #456 with diff file ISSM-15852-15853.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/matdamageice.py

Export determination: 6.

Rationale: BUG: rheology fields should be rank-1 in python consistency check for matdamageice, as with matice

Change #457 with diff file ISSM-15853-15854.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/thermal_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.h

Export determination: 6.

Rationale: NEW: preparing Dynamic Basal Dirichlet conditions for enthalpy model (not working for now, preparing code for Johannes)

Change #458 with diff file ISSM-15854-15855.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test287.m M /issm/trunk-jpl/test/NightlyRun/test287.py

M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #459 with diff file ISSM-15855-15856.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m

Export determination: 6.

Rationale: CHG: front cannot be retrieved anymore

Change #460 with diff file ISSM-15856-15857.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m

Export determination: 6.

Rationale: CHG: front cannot be retrieved anymore

Change #461 with diff file ISSM-15857-15858.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateConstraintsStressbalanceVer

Export determination: 6.

Rationale: BUG: return if mesh is 2d

Change #462 with diff file ISSM-15858-15859.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/pfe.m

Export determination: 6.

Rationale: CHG: added alphaspl233 queue

Change #463 with diff file ISSM-15859-15860.diff:

Function name:

M /issm/trunk-jpl/src/m/parameterization/setflowequation.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py

Export determination: 6.

Rationale: CHG: better error message for new model names

Change #464 with diff file ISSM-15860-15861.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/inversion.py

Export determination: 6.

Rationale: NEW: added check so that inversions are only performed on SSA
HO and FS models

Change #465 with diff file ISSM-15861-15862.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Nodes.h
M /issm/trunk-jpl/src/c/modules/NodesDofx/NodesDofx.cpp

Export determination: 6.

Rationale: NEW: added node-¿indexingupdate flag so that dofs are not renumbered except if absolutely necessary

Change #466 with diff file ISSM-15862-15863.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp

Export determination: 6.

Rationale: BUG: indexingupdate needs to be turned to true if Node::DofInFSet or Node::DofInSSet is called

Change #467 with diff file ISSM-15863-15864.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp

Export determination: 6.

Rationale: CHG changed value of diffusive constant for enthalpy to value from Aschwanden 2012

Change #468 with diff file ISSM-15864-15865.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Elements/elements.h

Export determination: 6.

Rationale: ADD: function declaration of LliboutryDuval(...) to elements.h

Change #469 with diff file ISSM-15865-15866.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h
Export determination: 6.
Rationale: ADD: virtual method Element::ComputeBasalMeltrate for enthalpy module

Change #470 with diff file ISSM-15866-15867.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
Export determination: 6.
Rationale: ADD: implementation of ComputeBasalMeltrate for Tria. Will return error message, since mno enthalpy for 2D case.

Change #471 with diff file ISSM-15867-15868.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
Export determination: 6.
Rationale: ADD: method for Penta::CalculateBasalMeltrate for enthalpy module

Change #472 with diff file ISSM-15868-15869.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: ADD: empty shell for Penta::CalculateBasalMeltrate, required for enthalpy module

Change #473 with diff file ISSM-15869-15870.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: ADD: filled shell Penta::ComputeBasalMeltrate with content. To be checked for functionality.

Change #474 with diff file ISSM-15870-15871.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp

Export determination: 6.

Rationale: CHG: fixed some stuff from Johannes

Change #475 with diff file ISSM-15871-15872.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive430.nc

Export determination: 6.

Rationale: CHG: updating Newton FS

Change #476 with diff file ISSM-15872-15873.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp

M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.h

Export determination: 6.

Rationale: CHG: fixing some stuff for Johannes

Change #477 with diff file ISSM-15873-15874.diff:

Function name:

M /issm/trunk-jpl/src/m/interp/InterpFromFile.m

Export determination: 6.

Rationale: NEW: InterpFromFile should not be used anymore

Change #478 with diff file ISSM-15874-15875.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive327.nc M /issm/trunk-jpl/test/Archives/Archive431.nc

M /issm/trunk-jpl/test/Archives/Archive432.nc

Export determination: 6.

Rationale: CHG: updated archives with new enthalpy diffusion parameter

Change #479 with diff file ISSM-15875-15876.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py

Export determination: 6.

Rationale: CHG: renamed S3d -i FS

Change #480 with diff file ISSM-15876-15877.diff:

Function name:

M /issm/trunk-jpl/externalpackages/doxygen/install.sh

Export determination: 6.

Rationale: CHG: relocated svn repository

Change #481 with diff file ISSM-15877-15878.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AnalysisConfiguration.cpp

M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp M /issm/trunk-jpl/src/c/analyses/transient_core.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSe

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Fre

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/CreateLoadsFreeSurfaceBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/CreateNodesFreeSurfaceBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/UpdateElementsFreeSurfaceBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/CreateConstraintsFreeSurfaceTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/CreateLoadsFreeSurfaceTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/CreateNodesFreeSurfaceTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/UpdateElementsFreeSurfaceTop.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-

jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: added free surface solver for bottom and upper surface, not working yet

Change #482 with diff file ISSM-15878-15879.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: NEW: added free surface solver for bottom and upper surface, not working yet

Change #483 with diff file ISSM-15879-15880.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/FreeSurfaceBaseAnalysis

A /issm/trunk-jpl/src/m/enum/FreeSurfaceTopAnalysisEnum.m

Export determination: 6.

Rationale: NEW: added free surface solver for bottom and upper surface, not working yet

Change #484 with diff file ISSM-15880-15881.diff:

Function name:

A /issm/trunk-jpl/externalpackages/meteoio A /issm/trunk-jpl/externalpackages/meteoio/install.sh

A /issm/trunk-jpl/externalpackages/meteoio/makefiles A /issm/trunk-jpl/externalpackages/meteoio/makefiles

Export determination: 6.

Rationale: CHG: new MeteoIO package

Change #485 with diff file ISSM-15881-15882.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/MasstransportIsfreesurfaceEnum.m

Export determination: 6.

Rationale: CHG: synced Enums

Change #486 with diff file ISSM-15882-15883.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.py

Export determination: 6.

Rationale: BUG: python syntax

Change #487 with diff file ISSM-15883-15884.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/FreeSurfaceBase/UpdateElementsFreeSurfaceBase.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessox/FreeSurfaceTop/UpdateElementsFreeSurfaceTop.cpp

Export determination: 6.

Rationale: CHG: return if model is 2d instead of erroring out

Change #488 with diff file ISSM-15884-15885.diff:

Function name:

M /issm/trunk-jpl/externalpackages/meteoio M /issm/trunk-jpl/externalpackages/meteoio/install.sh

Export determination: 6.

Rationale: CHG: specified target install

Change #489 with diff file ISSM-15885-15886.diff:

Function name:

A /issm/trunk-jpl/externalpackages/snowpack A /issm/trunk-jpl/externalpackages/snowpack/install.sh

Export determination: 6.

Rationale: CHG: new snowpack model

Change #490 with diff file ISSM-15886-15887.diff:

Function name:

D /issm/trunk-jpl/externalpackages/meteoio/makefiles

Export determination: 6.

Rationale: CHG: not needed

Change #491 with diff file ISSM-15887-15888.diff:

Function name:

M /issm/trunk-jpl/externalpackages/snowpack

Export determination: 6.

Rationale: CHG: getting svn to ignore some files

Change #492 with diff file ISSM-15888-15889.diff:

Function name:

M /issm/trunk-jpl/externalpackages/snowpack/install.sh

Export determination: 6.
Rationale: CHG: no need to verbose Makefile

Change #493 with diff file ISSM-15889-15890.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Elements/elements.h
Export determination: 6.
Rationale: ADD: DrainageFunctionWaterfraction(IssmDouble waterfraction) for enthalpy module added

Change #494 with diff file ISSM-15890-15891.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: ADD: DrainageFunctionWaterfraction.cpp for enthalpy

Change #495 with diff file ISSM-15891-15892.diff:
Function name:
A /issm/trunk-jpl/src/c/shared/Elements/DrainageFunctionWaterfraction.cpp
Export determination: 6.
Rationale: NEW: DrainageFunctionWaterfraction(IssmDouble waterfraction) returns the drainage of waterfraction per year. Required for enthalpy module.

Change #496 with diff file ISSM-15892-15893.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
Export determination: 6.
Rationale: ADD: Penta::DrainWaterfraction implements drainage of excess water fraction in enthalpy module.

Change #497 with diff file ISSM-15893-15894.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: ADD: Penta::DrainWaterfraction implements drainage of excess water fraction in enthalpy module.

Change #498 with diff file ISSM-15894-15895.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
Export determination: 6.
Rationale: ADD: BasalMeltrateEnum added for enthalpy

Change #499 with diff file ISSM-15895-15896.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: updated thermal values now fed back into model.

Change #500 with diff file ISSM-15896-15897.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: edited bugs in Penta::ComputeBasalMeltrate and Penta::DrainWaterfraction

Change #501 with diff file ISSM-15897-15898.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/shared/Elements/elements.h
Export determination: 6.
Rationale: CHG: fixed compilation

Change #502 with diff file ISSM-15898-15899.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/transient_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.h
M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.h
Export determination: 6.
Rationale: NEW: when a new result is added, we first check whether it already exists in the results dataset, if yes, it is deleted first

Change #503 with diff file ISSM-15899-15900.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixing free surfaces

Change #504 with diff file ISSM-15900-15901.diff:
Function name:
A /issm/trunk-jpl/externalpackages/inishell A /issm/trunk-jpl/externalpackages/inishell/install.sh
A /issm/trunk-jpl/externalpackages/inishell/scripts A /issm/trunk-jpl/externalpackages/inishell/scripts/inishell
Export determination: 6.
Rationale: CHG: inishell package to be used in conjunction with snowpack

Change #505 with diff file ISSM-15901-15902.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
D /issm/trunk-jpl/test/NightlyRun/test430.m D /issm/trunk-jpl/test/NightlyRun/test430.py
Export determination: 6.
Rationale: DEL: removed test430 that is always failing

Change #506 with diff file ISSM-15902-15903.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py
M /issm/trunk-jpl/test/NightlyRun/test508.m M /issm/trunk-jpl/test/NightlyRun/test508.py
Export determination: 6.
Rationale: CHG: relaxing some tolerances

Change #507 with diff file ISSM-15903-15904.diff:

Function name:

D /issm/trunk-jpl/configs/config-linux64-larsen-petsc3.2.sh D /issm/trunk-jpl/configs/config-macosx64-ogive.sh D /issm/trunk-jpl/configs/config-walgreen.sh

Export determination: 6.

Rationale: DEL: removed some personnal config files

Change #508 with diff file ISSM-15904-15905.diff:

Function name:

M /issm/trunk-jpl/externalpackages/snowpack/install.sh

Export determination: 6.

Rationale: CHG: trying to compile binary

Change #509 with diff file ISSM-15905-15906.diff:

Function name:

A /issm/trunk-jpl/src/wrappers/IssmConfig A /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp

A /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.h M /issm/trunk-jpl/src/wrappers/matlab/Makefile.a

M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: NEW: added IssmConfig that will replace ismpi and other functions

Change #510 with diff file ISSM-15906-15907.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp

Export determination: 6.

Rationale: CHG: fixed string outputs

Change #511 with diff file ISSM-15907-15908.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.m M /issm/trunk-jpl/src/m/classes/clusters/generic.py

M /issm/trunk-jpl/src/m/classes/model/model.py M /issm/trunk-jpl/src/m/classes/model/planet.m

M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_write.m

M /issm/trunk-jpl/src/m/classes/toolkits.m M /issm/trunk-jpl/src/m/classes/toolkits.py

D /issm/trunk-jpl/src/m/os/dakotaversion.m D /issm/trunk-jpl/src/m/os/dakotaversion.py

D /issm/trunk-jpl/src/m/os/ismpi.m D /issm/trunk-jpl/src/m/os/ismpi.py D

/issm/trunk-jpl/src/m/os/ismumps.m D /issm/trunk-jpl/src/m/os/ismumps.py
 D /issm/trunk-jpl/src/m/os/ispetsc.m D /issm/trunk-jpl/src/m/os/ispetsc.py
 D /issm/trunk-jpl/src/m/os/petscversion.m D /issm/trunk-jpl/src/m/os/petscversion.py
 M /issm/trunk-jpl/src/m/solve/solve.py M /issm/trunk-jpl/src/m/solvers/asmoptions.py
 M /issm/trunk-jpl/src/m/solvers/issmsolver.py M /issm/trunk-jpl/src/m/solvers/jacobiasmoptions.py
 M /issm/trunk-jpl/src/m/solvers/jacobicgoptions.py M /issm/trunk-jpl/src/m/solvers/matlaboptions.py
 M /issm/trunk-jpl/src/m/solvers/mumpsoptions.m M /issm/trunk-jpl/src/m/solvers/mumpsoptions.py
 M /issm/trunk-jpl/src/m/solvers/soroptions.py M /issm/trunk-jpl/src/m/solvers/stokesoptions.m
 M /issm/trunk-jpl/src/m/solvers/stokesoptions.py
 Export determination: 6.
 Rationale: NEW: removed ismpi and other configuration tests

Change #512 with diff file ISSM-15908-15909.diff:

Function name:
 M /issm/trunk-jpl/src/m/solvers/mumpsoptions.m
 Export determination: 6.
 Rationale: BUG: minor

Change #513 with diff file ISSM-15909-15910.diff:

Function name:
 M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_write.m
 Export determination: 6.
 Rationale: CHG: fixed bug

Change #514 with diff file ISSM-15910-15911.diff:

Function name:
 M /issm/trunk-jpl/test/NightlyRun/test234.m
 Export determination: 6.
 Rationale: CHG: no more dakotaversion

Change #515 with diff file ISSM-15911-15912.diff:

Function name:
 M /issm/trunk-jpl/m4/issm_options.m4
 Export determination: 6.
 Rationale: CHG: added meteoio and snowpack packages

Change #516 with diff file ISSM-15912-15913.diff:

Function name:

M /issm/trunk-jpl/externalpackages/inishell

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #517 with diff file ISSM-15913-15914.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: hookups for meteoio and snowpack packages

Change #518 with diff file ISSM-15914-15915.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/snowpack.m

Export determination: 6.

Rationale: NEW: new class for snowpack configuration and initialization

Change #519 with diff file ISSM-15915-15916.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: typo

Change #520 with diff file ISSM-15916-15917.diff:

Function name:

M /issm/trunk-jpl/Makefile.am

Export determination: 6.

Rationale: CHG: no need to have config.h in bin

Change #521 with diff file ISSM-15917-15918.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/showregion.m

Export determination: 6.

Rationale: CHG: updating path of showregion

Change #522 with diff file ISSM-15918-15919.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_write.m

Export determination: 6.

Rationale: BUG: dakota version is a string

Change #523 with diff file ISSM-15919-15920.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/snowpack.m

Export determination: 6.

Rationale: CHG: starting map of snowpack class with configuration files coming out of inishell in snowpack

Change #524 with diff file ISSM-15920-15921.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test410.m M /issm/trunk-jpl/test/NightlyRun/test410.py

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #525 with diff file ISSM-15921-15922.diff:

Function name:

M /issm/trunk-jpl/externalpackages/ipython/install.sh

Export determination: 6.

Rationale: NEW: now use ipython 1.0 instead of 0.13

Change #526 with diff file ISSM-15922-15923.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test280.m M /issm/trunk-jpl/test/NightlyRun/test280.py
M /issm/trunk-jpl/test/NightlyRun/test285.m M /issm/trunk-jpl/test/NightlyRun/test285.py
M /issm/trunk-jpl/test/NightlyRun/test286.m M /issm/trunk-jpl/test/NightlyRun/test286.py
M /issm/trunk-jpl/test/NightlyRun/test287.m M /issm/trunk-jpl/test/NightlyRun/test287.py
M /issm/trunk-jpl/test/NightlyRun/test290.m M /issm/trunk-jpl/test/NightlyRun/test290.py
Export determination: 6.
Rationale: CHG: now finite elements are specified as strings instead of integers

Change #527 with diff file ISSM-15923-15924.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateNodesStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.cpp

Export determination: 6.

Rationale: CHG: now finite elements are specified as strings instead of integers

Change #528 with diff file ISSM-15924-15925.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py

Export determination: 6.

Rationale: CHG: now finite elements are specified as strings instead of integers

Change #529 with diff file ISSM-15925-15926.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsStressbalance.cpp

Export determination: 6.

Rationale: BUG: IoToConstrain needs velocity interpolation only

Change #530 with diff file ISSM-15926-15927.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test280.m M /issm/trunk-jpl/test/NightlyRun/test280.py

Export determination: 6.

Rationale: NEW: extended tests for otehr higher order elements SSA

Change #531 with diff file ISSM-15927-15928.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive280.nc M /issm/trunk-jpl/test/Archives/Archive285.nc
D /issm/trunk-jpl/test/Archives/Archive286.nc D /issm/trunk-jpl/test/Archives/Archive287.nc
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test285.m M /issm/trunk-jpl/test/NightlyRun/test285.py
D /issm/trunk-jpl/test/NightlyRun/test286.m D /issm/trunk-jpl/test/NightlyRun/test286.py
D /issm/trunk-jpl/test/NightlyRun/test287.m D /issm/trunk-jpl/test/NightlyRun/test287.py

Export determination: 6.

Rationale: CHG: merged all HO higher order tests into one

Change #532 with diff file ISSM-15928-15929.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive450.nc A /issm/trunk-jpl/test/Archives/Archive455.nc
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test280.m M /issm/trunk-jpl/test/NightlyRun/test285.m
A /issm/trunk-jpl/test/NightlyRun/test450.m A /issm/trunk-jpl/test/NightlyRun/test450.py
A /issm/trunk-jpl/test/NightlyRun/test455.m A /issm/trunk-jpl/test/NightlyRun/test455.py

Export determination: 6.

Rationale: NEW: added 2 more tests on sheet shelf

Change #533 with diff file ISSM-15929-15930.diff:

Function name:

M /issm/trunk-jpl/src/c M /issm/trunk-jpl/src/c/analyses M /issm/trunk-jpl/src/c/bamg
M /issm/trunk-jpl/src/c/classes M /issm/trunk-jpl/src/c/classes/Constraints
M /issm/trunk-jpl/src/c/classes/ElementResults M /issm/trunk-jpl/src/c/classes/Elements
M /issm/trunk-jpl/src/c/classes/ExternalResults M /issm/trunk-jpl/src/c/classes/Inputs
M /issm/trunk-jpl/src/c/classes/Loads M /issm/trunk-jpl/src/c/classes/Materials
M /issm/trunk-jpl/src/c/classes/Options M /issm/trunk-jpl/src/c/classes/Params
M /issm/trunk-jpl/src/c/classes/gauss M /issm/trunk-jpl/src/c/classes/kriging
M /issm/trunk-jpl/src/c/classes/matrix M /issm/trunk-jpl/src/c/datastructures
M /issm/trunk-jpl/src/c/kml M /issm/trunk-jpl/src/c/main M /issm/trunk-jpl/src/c/modules/AverageFilterx M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx
M /issm/trunk-jpl/src/c/modules/BamgConvertMeshx M /issm/trunk-jpl/src/c/modules/BamgTriangulatex
M /issm/trunk-jpl/src/c/modules/Bamgx M /issm/trunk-jpl/src/c/modules/Chacox
M /issm/trunk-jpl/src/c/modules/ComputeBasalStressx M /issm/trunk-jpl/src/c/modules/ComputeStrainRa
M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx M /issm/trunk-jpl/src/c/modules/ConstraintsStatex
M /issm/trunk-jpl/src/c/modules/ContourToMeshx M /issm/trunk-jpl/src/c/modules/ContourToNodesx
M /issm/trunk-jpl/src/c/modules/ControlInputGetGradientx M /issm/trunk-jpl/src/c/modules/ControlInputScaleGradientx M /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx

M /issm/trunk-jpl/src/c/modules/CreateNodalConstraintx M /issm/trunk-jpl/src/c/modules/Delta18oParam
M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx M /issm/trunk-
jpl/src/c/modules/EdgeDetectionx M /issm/trunk-jpl/src/c/modules/ElementConnectivityx
M /issm/trunk-jpl/src/c/modules/Exp2Kmlx M /issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx
M /issm/trunk-jpl/src/c/modules/GetVectorFromControlInputsx M /issm/trunk-
jpl/src/c/modules/GetVectorFromInputsx M /issm/trunk-jpl/src/c/modules/GiaDeflectionCorex
M /issm/trunk-jpl/src/c/modules/Gradjx M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx
M /issm/trunk-jpl/src/c/modules/HoleFillerx M /issm/trunk-jpl/src/c/modules/InputArtificialNoisex
M /issm/trunk-jpl/src/c/modules/InputControlUpdatex M /issm/trunk-jpl/src/c/modules/InputDuplicatex
M /issm/trunk-jpl/src/c/modules/InputScalex M /issm/trunk-jpl/src/c/modules/InputToResultx
M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx M /issm/trunk-
jpl/src/c/modules/InputUpdateFromDakotax M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDak
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx M /issm/trunk-
jpl/src/c/modules/InputUpdateFromVectorDakotax M /issm/trunk-jpl/src/c/modules/InputUpdateFromVect
M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx M /issm/trunk-jpl/src/c/modules/InterpFromMes
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToGridx M /issm/trunk-jpl/src/c/modules/InterpFromMes
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh3dx M /issm/trunk-
jpl/src/c/modules/IoModelToConstraintsx M /issm/trunk-jpl/src/c/modules/KMLFileReadx
M /issm/trunk-jpl/src/c/modules/KMLMeshWritex M /issm/trunk-jpl/src/c/modules/KMLOverlayx
M /issm/trunk-jpl/src/c/modules/Kml2Exp M /issm/trunk-jpl/src/c/modules/Krigingx
M /issm/trunk-jpl/src/c/modules/Mergesolutionfromftogx M /issm/trunk-jpl/src/c/modules/MeshProfileInter
M /issm/trunk-jpl/src/c/modules/ModelProcessorex M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Auto
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Balancethickness M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/BedSlope M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Control
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Dakota M /issm/trunk-jpl/src/c/modules/ModelProcess
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/FreeSurfaceBase M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/FreeSurfaceTop M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Gia
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/HydrologyDCEfficient M
/issm/trunk-jpl/src/c/modules/ModelProcessorex/HydrologyDCInefficient M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/HydrologyShreve M /issm/trunk-jpl/src/c/modules/ModelProcessorex/M
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Melting M /issm/trunk-jpl/src/c/modules/ModelProcess
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/StressbalanceSIA M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/StressbalanceVertical M /issm/trunk-jpl/src/c/modules/ModelProcess
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Thermal M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/Transient M /issm/trunk-jpl/src/c/modules/NodalValuex
M /issm/trunk-jpl/src/c/modules/NodeConnectivityx M /issm/trunk-jpl/src/c/modules/NodesDofx
M /issm/trunk-jpl/src/c/modules/Orthx M /issm/trunk-jpl/src/c/modules/OutputResultsx
M /issm/trunk-jpl/src/c/modules/ParseToolkitsOptionx M /issm/trunk-jpl/src/c/modules/PointCloudFindN
M /issm/trunk-jpl/src/c/modules/PositiveDegreeDayx M /issm/trunk-jpl/src/c/modules/PropagateFlagsFrom
M /issm/trunk-jpl/src/c/modules/Reduceloadx M /issm/trunk-jpl/src/c/modules/Reducevectortogfx
M /issm/trunk-jpl/src/c/modules/Reducevectortogtox M /issm/trunk-jpl/src/c/modules/ResetConstraintsx
M /issm/trunk-jpl/src/c/modules/ResetCoordinateSystemx M /issm/trunk-jpl/src/c/modules/RheologyBbar
M /issm/trunk-jpl/src/c/modules/Scotchx M /issm/trunk-jpl/src/c/modules/SetControlInputsFromVectorx
M /issm/trunk-jpl/src/c/modules/Shp2Exp M /issm/trunk-jpl/src/c/modules/Shp2Kmlx
M /issm/trunk-jpl/src/c/modules/SmbGradientsx M /issm/trunk-jpl/src/c/modules/Solverx
M /issm/trunk-jpl/src/c/modules/SpcNodesx M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx

M /issm/trunk-jpl/src/c/modules/SurfaceAreax M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyM
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx M /issm/trunk-jpl/src/c/modules/TriMeshProcessRiftsx
M /issm/trunk-jpl/src/c/modules/TriMeshx M /issm/trunk-jpl/src/c/modules/TriaSearchx
M /issm/trunk-jpl/src/c/modules/UpdateDynamicConstraintsx M /issm/trunk-jpl/src/c/modules/VecMergex M /issm/trunk-jpl/src/c/modules/VertexCoordinatesx
M /issm/trunk-jpl/src/c/modules/VerticesDofx M /issm/trunk-jpl/src/c/shared/Bamg
M /issm/trunk-jpl/src/c/shared/Elements M /issm/trunk-jpl/src/c/shared/Enum
M /issm/trunk-jpl/src/c/shared/Exceptions M /issm/trunk-jpl/src/c/shared/Exp
M /issm/trunk-jpl/src/c/shared/LatLong M /issm/trunk-jpl/src/c/shared/Matrix
M /issm/trunk-jpl/src/c/shared/Numerics M /issm/trunk-jpl/src/c/shared/Sorting
M /issm/trunk-jpl/src/c/shared/String M /issm/trunk-jpl/src/c/shared/Threads
M /issm/trunk-jpl/src/c/shared/TriMesh M /issm/trunk-jpl/src/c/shared/io/Comm
M /issm/trunk-jpl/src/c/shared/io/Disk M /issm/trunk-jpl/src/c/shared/io/Print
M /issm/trunk-jpl/src/c/solutionsequences M /issm/trunk-jpl/src/c/toolkits M /issm/trunk-jpl/src/c/toolkits/gsl M /issm/trunk-jpl/src/c/toolkits/issm M /issm/trunk-jpl/src/c/toolkits/metis/patches M /issm/trunk-jpl/src/c/toolkits/mpi M /issm/trunk-jpl/src/c/toolkits/mpi/commops M /issm/trunk-jpl/src/c/toolkits/mumps M /issm/trunk-jpl/src/c/toolkits/petsc/objects M /issm/trunk-jpl/src/c/toolkits/petsc/patches
Export determination: 6.
Rationale: CHG: get svn to ignore some files

Change #534 with diff file ISSM-15930-15931.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: do not use m4 macro to check for triangle.h

Change #535 with diff file ISSM-15931-15932.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/snowpack.m

Export determination: 6.

Rationale: CHG: using inishell config messages to create disp routine of snowpack

Change #536 with diff file ISSM-15932-15933.diff:

Function name:
M /issm/trunk-jpl/externalpackages/triangle
Export determination: 6.
Rationale: CHG: get svn to ignore some files

Change #537 with diff file ISSM-15933-15934.diff:

Function name:
M /issm/trunk-jpl/configs/config-arm-linux.sh M /issm/trunk-jpl/src/mobile/native/Main.cpp
Export determination: 6.
Rationale: CHG: recompile native side of arm cross compile targets, using a new config-arm-linux.sh config file and a new location \$ISSM_DIR/../mobile/android location.

Change #538 with diff file ISSM-15934-15935.diff:

Function name:
M /issm/trunk-jpl/lib
Export determination: 6.
Rationale: CHG: get svn to ignore some files

Change #539 with diff file ISSM-15935-15936.diff:

Function name:
M /issm/trunk-jpl/execution
Export determination: 6.
Rationale: CHG: get svn to ignore some files

Change #540 with diff file ISSM-15936-15937.diff:

Function name:
M /issm/trunk-jpl/externalpackages/proj.4 M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vi
M /issm/trunk-jpl/externalpackages/vim/addons/vimrc
Export determination: 6.
Rationale: CHG: updating vimrc

Change #541 with diff file ISSM-15937-15938.diff:

Function name:

D /issm/trunk-jpl/src/m/exp/expcreatecontour.m D /issm/trunk-jpl/src/m/exp/expcreateprofile.m
D /issm/trunk-jpl/src/m/exp/manipulation A /issm/trunk-jpl/src/m/exp/operation
(from /issm/trunk-jpl/src/m/exp/manipulation:15933)

Export determination: 6.

Rationale: DEL: removed some useless functions

Change #542 with diff file ISSM-15938-15939.diff:

Function name:

M /issm/trunk-jpl/src/m/Makefile.am

Export determination: 6.

Rationale: CHG: renamed manipulation operation

Change #543 with diff file ISSM-15939-15940.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.py

Export determination: 6.

Rationale: BUG: no more ismpi

Change #544 with diff file ISSM-15940-15941.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: mask.glevelset will now be used not matter the GL migration style

Change #545 with diff file ISSM-15941-15942.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/transient_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balan
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/UpdateElementsBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/UpdateElementsFreeSurfaceBase.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/UpdateElementsFreeSurfaceTop.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/UpdateElementsMasstransport.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/UpdateElementsStressbalanceVertical.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Transient/UpdateElementsTransient.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStl.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions.cpp
D /issm/trunk-jpl/src/m/enum/GLlevelsetEnum.m A /issm/trunk-jpl/src/m/enum/MaskGroundediceLevelsetEnum.m
A /issm/trunk-jpl/src/m/enum/MaskIceLevelsetEnum.m D /issm/trunk-jpl/src/m/enum/MaskIcelevelsetEnum.m
Export determination: 6.
Rationale: CHG; renaming, MaskIcelevelsetEnum.m -> MaskIceLevelsetEnum.m
and GLlevelsetEnum.m -> MaskGroundediceLevelsetEnum.m

Change #546 with diff file ISSM-15942-15943.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.m M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: CHG: added groundedice_levelset in matlab class

Change #547 with diff file ISSM-15943-15944.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/model/model.m

M /issm/trunk-jpl/src/m/parameterization/setmask.m M /issm/trunk-jpl/src/m/parameterization/setmask.py

Export determination: 6.

Rationale: CHG: added groundedice_levelset where missing

Change #548 with diff file ISSM-15944-15945.diff:

Function name:

M /issm/trunk-jpl/src/m/parameterization/setmask.m M /issm/trunk-jpl/src/m/parameterization/setmask.py

Export determination: 6.

Rationale: CHG: prepare groundedice_levelset in setmask

Change #549 with diff file ISSM-15945-15946.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model/model.py

Export determination: 6.

Rationale: FIX: forgot to change one icelevelset

Change #550 with diff file ISSM-15946-15947.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetIceShelfBC.m M /issm/trunk-

jpl/src/m/boundaryconditions/SetIceShelfBC.py M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIce

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-

jpl/src/m/plot/plot_icefront.m

Export determination: 6.

Rationale: CG: renaming icelevelset ice_levelset

Change #551 with diff file ISSM-15947-15948.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/model/model.py

Export determination: 6.

Rationale: CHG: added extrusion of groundedice_levelset

Change #552 with diff file ISSM-15948-15949.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test217.m M /issm/trunk-jpl/test/NightlyRun/test217.py

M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: CG: renaming icelevelset ice_levelset

Change #553 with diff file ISSM-15949-15950.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test423.m M /issm/trunk-jpl/test/NightlyRun/test423.py

M /issm/trunk-jpl/test/NightlyRun/test433.m M /issm/trunk-jpl/test/NightlyRun/test433.py

Export determination: 6.

Rationale: GLlevelset is now groundingline_levelset

Change #554 with diff file ISSM-15950-15951.diff:

Function name:

M /issm/trunk-jpl/test/Par/RoundSheetShelf.par

Export determination: 6.

Rationale: FIX: changed .par file

Change #555 with diff file ISSM-15951-15952.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.m

Export determination: 6.

Rationale: BUG: typo in display

Change #556 with diff file ISSM-15952-15953.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessors/Masstransport/UpdateElementsMasstransport.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessors/Stressbalance/UpdateElementsStressbalance.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessors/Transient/UpdateElementsTransient.cpp

Export determination: 6.

Rationale: CHG: updated model processors for GroundediceLevelset

Change #557 with diff file ISSM-15953-15954.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test423.m M /issm/trunk-jpl/test/NightlyRun/test423.py

Export determination: 6.

Rationale: CHG fixing test 423

Change #558 with diff file ISSM-15954-15955.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: Now use GroundediceLevelset instead of floating ice

Change #559 with diff file ISSM-15955-15956.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: new adjoinable mpi layer, resolves cyclical dependency issue

Change #560 with diff file ISSM-15956-15957.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: retrieve GroundediceLevelset all the time

Change #561 with diff file ISSM-15957-15958.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/model/model.py
Export determination: 6.
Rationale: BUG: was not extracting the right field

Change #562 with diff file ISSM-15958-15959.diff:
Function name:
M /issm/trunk-jpl/configs/config-linux64-murdo-nopetsc.sh
Export determination: 6.
Rationale: CHG: no petsc.

Change #563 with diff file ISSM-15959-15960.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixed crazy logic of soft grounding line for levelset update

Change #564 with diff file ISSM-15960-15961.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model/model.py
Export determination: 6.

Rationale: BUG: renamed grounded_icelevelset

Change #565 with diff file ISSM-15961-15962.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py

Export determination: 6.

Rationale: iBUG: minor

Change #566 with diff file ISSM-15962-15963.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx

Export determination: 6.

Rationale: CHG: simplified grounding line arguments

Change #567 with diff file ISSM-15963-15964.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: use MaskGroundedIceLevelsetEnum instead of node-¿IsFloating
to figure out if vertices are floating

Change #568 with diff file ISSM-15964-15965.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: keep working on GL changes

Change #569 with diff file ISSM-15965-15966.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/GroundinglineMigration

Export determination: 6.

Rationale: CHG: minor

Change #570 with diff file ISSM-15966-15967.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: CHG: updating syntax highlighting

Change #571 with diff file ISSM-15967-15968.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp

Export determination: 6.

Rationale: CHG: trying to finish Grounding line changes

Change #572 with diff file ISSM-15968-15969.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #573 with diff file ISSM-15969-15970.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp

Export determination: 6.

Rationale: BUG: missing VecAssemble in grounding lines

Change #574 with diff file ISSM-15970-15971.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: Now use Pid for grounding lines

Change #575 with diff file ISSM-15971-15972.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: minor vertex instead of node

Change #576 with diff file ISSM-15972-15973.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: CHG: removing node-¿IsGrounded, node-¿IsFloating

Change #577 with diff file ISSM-15973-15974.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: try to get rid of MaskElementOnFloatingIce

Change #578 with diff file ISSM-15974-15975.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: BUG: xyz_list_tria was not well created, the z coordinate was never updated

Change #579 with diff file ISSM-15975-15976.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive307.nc M /issm/trunk-jpl/test/Archives/Archive312.nc

M /issm/trunk-jpl/test/Archives/Archive313.nc M /issm/trunk-jpl/test/Archives/Archive315.nc

M /issm/trunk-jpl/test/Archives/Archive317.nc M /issm/trunk-jpl/test/Archives/Archive318.nc

M /issm/trunk-jpl/test/Archives/Archive321.nc M /issm/trunk-jpl/test/Archives/Archive322.nc

M /issm/trunk-jpl/test/Archives/Archive324.nc M /issm/trunk-jpl/test/Archives/Archive325.nc

M /issm/trunk-jpl/test/Archives/Archive326.nc M /issm/trunk-jpl/test/Archives/Archive327.nc

M /issm/trunk-jpl/test/Archives/Archive329.nc M /issm/trunk-jpl/test/Archives/Archive403.nc
M /issm/trunk-jpl/test/Archives/Archive407.nc M /issm/trunk-jpl/test/Archives/Archive410.nc
M /issm/trunk-jpl/test/Archives/Archive411.nc M /issm/trunk-jpl/test/Archives/Archive415.nc
M /issm/trunk-jpl/test/Archives/Archive416.nc M /issm/trunk-jpl/test/Archives/Archive419.nc
M /issm/trunk-jpl/test/Archives/Archive421.nc M /issm/trunk-jpl/test/Archives/Archive431.nc
M /issm/trunk-jpl/test/Archives/Archive432.nc M /issm/trunk-jpl/test/Archives/Archive455.nc
M /issm/trunk-jpl/test/Archives/Archive502.nc M /issm/trunk-jpl/test/Archives/Archive505.nc
M /issm/trunk-jpl/test/Archives/Archive506.nc M /issm/trunk-jpl/test/Archives/Archive507.nc
M /issm/trunk-jpl/test/Archives/Archive508.nc M /issm/trunk-jpl/test/Archives/Archive509.nc
M /issm/trunk-jpl/test/Archives/Archive510.nc M /issm/trunk-jpl/test/Archives/Archive512.nc
M /issm/trunk-jpl/test/Archives/Archive513.nc

Export determination: 6.

Rationale: CHG: updating archives for xyz_list_tria bug

Change #580 with diff file ISSM-15976-15977.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/classes/Node.h

Export determination: 6.

Rationale: NEW: removed node inputs:

Change #581 with diff file ISSM-15977-15978.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive515.nc M /issm/trunk-jpl/test/Archives/Archive516.nc

Export determination: 6.

Rationale: CHG: fort last to tests for xyz_list_tria bug

Change #582 with diff file ISSM-15978-15979.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: IsFloating now based on groundedice_levelset

Change #583 with diff file ISSM-15979-15980.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/Thermal/UpdateElementsThermal.cpp
Export determination: 6.
Rationale: BUG: missing GroundediceLevelset in thermal

Change #584 with diff file ISSM-15980-15981.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessox/HydrologyShreve/UpdateElementsHydrologyShreve.cpp

Export determination: 6.

Rationale: CHG: mask grounded ice also needed in HydrologyShreve

Change #585 with diff file ISSM-15981-15982.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive503.nc M /issm/trunk-jpl/test/Archives/Archive510.nc

M /issm/trunk-jpl/test/Archives/Archive512.nc

Export determination: 6.

Rationale: CHG: update 3 archives: old philosophy of GL was weird (element floating with 3 nodes grounded)

Change #586 with diff file ISSM-15982-15983.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: Element do not update constraints

Change #587 with diff file ISSM-15983-15984.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/transient_core.cpp

Export determination: 6.

Rationale: CHG: MaskGroundediceLevelsetEnum is now saved instead of MaskElementonfloatingiceEnum

Change #588 with diff file ISSM-15984-15985.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test423.m M /issm/trunk-jpl/test/NightlyRun/test423.py
M /issm/trunk-jpl/test/NightlyRun/test424.m M /issm/trunk-jpl/test/NightlyRun/test424.py
M /issm/trunk-jpl/test/NightlyRun/test425.m M /issm/trunk-jpl/test/NightlyRun/test425.py
M /issm/trunk-jpl/test/NightlyRun/test426.m M /issm/trunk-jpl/test/NightlyRun/test426.py
M /issm/trunk-jpl/test/NightlyRun/test427.m M /issm/trunk-jpl/test/NightlyRun/test427.py
M /issm/trunk-jpl/test/NightlyRun/test433.m M /issm/trunk-jpl/test/NightlyRun/test433.py

Export determination: 6.

Rationale: CHG: MaskGroundediceLevelset is now saved instead of Elementon-floatingice

Change #589 with diff file ISSM-15985-15986.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive423.nc M /issm/trunk-jpl/test/Archives/Archive424.nc
M /issm/trunk-jpl/test/Archives/Archive425.nc M /issm/trunk-jpl/test/Archives/Archive426.nc
M /issm/trunk-jpl/test/Archives/Archive427.nc M /issm/trunk-jpl/test/Archives/Archive433.nc
M /issm/trunk-jpl/test/Archives/Archive502.nc

Export determination: 6.

Rationale: CHG: updated archives with new levelset instead of mask

Change #590 with diff file ISSM-15986-15987.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Bal
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/UpdateElementsBalancethickness.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateNodesBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/CreateNodesEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/CreateNodesFreeSurfaceBase.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase/UpdateElementsFreeSurfaceBase.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/CreateNodesFreeSurfaceTop.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/UpdateElementsFreeSurfaceTop.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/CreateNodesHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient/UpdateElementsHydrologyDCEfficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/CreateNodesHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient/UpdateElementsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/CreateNodesHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyShreve/UpdateElementsHydrologyShreve.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/CreateNodesMasstransport.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/UpdateElementsMasstransport.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/UpdateElementsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateLoadsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateNodesStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateNodesStressbalanceSIA.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateNodesStressbalanceVertical.
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/UpdateElementsStressbalanceVerti
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/CreateNodesThermal.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/mask.m
M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
D /issm/trunk-jpl/src/m/enum/MaskElementonfloatingiceEnum.m D /issm/trunk-
jpl/src/m/enum/MaskElementongroundediceEnum.m D /issm/trunk-jpl/src/m/enum/MaskVertexonfloatingic
D /issm/trunk-jpl/src/m/enum/MaskVertexongroundediceEnum.m
Export determination: 6.
Rationale: DEL: getting rid of MaskVertexon* and MaskElementon* in the
code'

Change #591 with diff file ISSM-15987-15988.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-
jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/flowequation.py M /issm/trunk-jpl/src/m/classes/groundingline.m
M /issm/trunk-jpl/src/m/classes/groundingline.py M /issm/trunk-jpl/src/m/classes/mask.m
M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/model/model.m
M /issm/trunk-jpl/src/m/classes/model/model.py M /issm/trunk-jpl/src/m/classes/modellist.m
M /issm/trunk-jpl/src/m/classes/oldclasses/diagnostic.m M /issm/trunk-jpl/src/m/classes/stressbalance.m
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/contrib/ecco/MeltingGroundingL
M /issm/trunk-jpl/src/m/geometry/FlagElements.m M /issm/trunk-jpl/src/m/geometry/FlagElements.py
M /issm/trunk-jpl/src/m/geometry/ThicknessCorrection.m M /issm/trunk-jpl/src/m/parameterization/conto
M /issm/trunk-jpl/src/m/parameterization/contourenvelope.py M /issm/trunk-
jpl/src/m/parameterization/setflowequation.m M /issm/trunk-jpl/src/m/parameterization/setflowequation.py
M /issm/trunk-jpl/src/m/parameterization/setmask.m M /issm/trunk-jpl/src/m/parameterization/setmask.py
M /issm/trunk-jpl/src/m/parameterization/setmask2.m M /issm/trunk-jpl/src/m/regional/BasinConstrainSh
Export determination: 6.
Rationale: NEW: no more md.mask.vertexon... nor md.mask.elementon... use
levelsets only

Change #592 with diff file ISSM-15988-15989.diff:

Function name:

M /issm/trunk-jpl/test/Par/79North.par M /issm/trunk-jpl/test/Par/79North.py
M /issm/trunk-jpl/test/Par/GiaBenchmarksAB.par M /issm/trunk-jpl/test/Par/GiaBenchmarksCD.par
M /issm/trunk-jpl/test/Par/ISMIPA.par M /issm/trunk-jpl/test/Par/ISMIPA.py
M /issm/trunk-jpl/test/Par/ISMIPB.par M /issm/trunk-jpl/test/Par/ISMIPB.py
M /issm/trunk-jpl/test/Par/ISMIPC.par M /issm/trunk-jpl/test/Par/ISMIPC.py
M /issm/trunk-jpl/test/Par/ISMIPD.par M /issm/trunk-jpl/test/Par/ISMIPD.py
M /issm/trunk-jpl/test/Par/Pig.par M /issm/trunk-jpl/test/Par/Pig.py M /issm/trunk-jpl/test/Par/RoundSheetEISMINT.par M /issm/trunk-jpl/test/Par/RoundSheetEISMINT.py
M /issm/trunk-jpl/test/Par/RoundSheetShelf.par M /issm/trunk-jpl/test/Par/RoundSheetShelf.py
M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.par M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py
M /issm/trunk-jpl/test/Par/SquareEISMINT.par M /issm/trunk-jpl/test/Par/SquareEISMINT.py
M /issm/trunk-jpl/test/Par/SquareSheetConstrained.par M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py
M /issm/trunk-jpl/test/Par/SquareSheetShelf.par M /issm/trunk-jpl/test/Par/SquareSheetShelf.py
M /issm/trunk-jpl/test/Par/SquareShelf.par M /issm/trunk-jpl/test/Par/SquareShelf.py
M /issm/trunk-jpl/test/Par/SquareShelf2.par M /issm/trunk-jpl/test/Par/SquareShelf2.py
M /issm/trunk-jpl/test/Par/SquareShelfConstrained.par M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py
M /issm/trunk-jpl/test/Par/SquareThermal.par M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: CHG: updated parameter files with new mask that only has levelsets

Change #593 with diff file ISSM-15989-15990.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4

Export determination: 6.

Rationale: CHG: do not use AC_CHECK_FILE, fails in cross-compile. Replaced by test -f

Change #594 with diff file ISSM-15990-15991.diff:

Function name:

M /issm/trunk-jpl/src/m/geometry/FlagElements.m M /issm/trunk-jpl/src/m/geometry/FlagElements.py

Export determination: 6.

Rationale: NEW: added vertex list support to FlagElements.m

Change #595 with diff file ISSM-15991-15992.diff:

Function name:

A /issm/trunk-jpl/src/m/consistency/comparemodels.m

Export determination: 6.
Rationale: NEW: added comparemodels, very useful to find out the difference between models

Change #596 with diff file ISSM-15992-15993.diff:
Function name:
M /issm/trunk-jpl/src/m/geometry/FlagElements.py
Export determination: 6.
Rationale: BUG: fixed python's bug

Change #597 with diff file ISSM-15993-15994.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m
Export determination: 6.
Rationale: BUG: ice front needs to be extended so that it covers the elements that are partially floating

Change #598 with diff file ISSM-15994-15995.diff:
Function name:
M /issm/trunk-jpl/test/Par/RoundSheetShelf.par
Export determination: 6.
Rationale: BUG: fixed difference in NR test round (friction did not match)

Change #599 with diff file ISSM-15995-15996.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.py
Export determination: 6.
Rationale: CHG: python equivalent of matlab

Change #600 with diff file ISSM-15996-15997.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive401.nc M /issm/trunk-jpl/test/Archives/Archive402.nc
M /issm/trunk-jpl/test/Archives/Archive403.nc M /issm/trunk-jpl/test/Archives/Archive404.nc

M /issm/trunk-jpl/test/Archives/Archive405.nc M /issm/trunk-jpl/test/Archives/Archive406.nc
M /issm/trunk-jpl/test/Archives/Archive407.nc M /issm/trunk-jpl/test/Archives/Archive408.nc
M /issm/trunk-jpl/test/Archives/Archive409.nc M /issm/trunk-jpl/test/Archives/Archive410.nc
M /issm/trunk-jpl/test/Archives/Archive411.nc M /issm/trunk-jpl/test/Archives/Archive412.nc
M /issm/trunk-jpl/test/Archives/Archive413.nc M /issm/trunk-jpl/test/Archives/Archive415.nc
M /issm/trunk-jpl/test/Archives/Archive416.nc M /issm/trunk-jpl/test/Archives/Archive419.nc
M /issm/trunk-jpl/test/Archives/Archive421.nc M /issm/trunk-jpl/test/Archives/Archive422.nc
M /issm/trunk-jpl/test/Archives/Archive423.nc M /issm/trunk-jpl/test/Archives/Archive425.nc
M /issm/trunk-jpl/test/Archives/Archive428.nc M /issm/trunk-jpl/test/Archives/Archive429.nc
M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/Archives/Archive432.nc
M /issm/trunk-jpl/test/Archives/Archive434.nc M /issm/trunk-jpl/test/Archives/Archive450.nc
M /issm/trunk-jpl/test/Archives/Archive455.nc M /issm/trunk-jpl/test/Archives/Archive501.nc
M /issm/trunk-jpl/test/Archives/Archive502.nc M /issm/trunk-jpl/test/Archives/Archive503.nc
M /issm/trunk-jpl/test/Archives/Archive504.nc M /issm/trunk-jpl/test/Archives/Archive505.nc
M /issm/trunk-jpl/test/Archives/Archive506.nc M /issm/trunk-jpl/test/Archives/Archive507.nc
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M /issm/trunk-jpl/test/Archives/Archive510.nc M /issm/trunk-jpl/test/Archives/Archive512.nc
M /issm/trunk-jpl/test/Archives/Archive513.nc M /issm/trunk-jpl/test/Archives/Archive515.nc
M /issm/trunk-jpl/test/Archives/Archive516.nc M /issm/trunk-jpl/test/Archives/Archive601.nc
M /issm/trunk-jpl/test/Archives/Archive602.nc M /issm/trunk-jpl/test/Archives/Archive603.nc
M /issm/trunk-jpl/test/Archives/Archive608.nc M /issm/trunk-jpl/test/Archives/Archive609.nc
M /issm/trunk-jpl/test/Archives/Archive610.nc M /issm/trunk-jpl/test/Archives/Archive611.nc
M /issm/trunk-jpl/test/Archives/Archive612.nc

Export determination: 6.

Rationale: CHG: updated new archives for friction on slightly different nodes

Change #601 with diff file ISSM-15997-15998.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test511.m M /issm/trunk-jpl/test/NightlyRun/test511.py

M /issm/trunk-jpl/test/NightlyRun/test613.m M /issm/trunk-jpl/test/NightlyRun/test613.py

Export determination: 6.

Rationale: CHG: modelextract now uses vertex list on floating ice

Change #602 with diff file ISSM-15998-15999.diff:

Function name:

M /issm/trunk-jpl/src/m/geometry/FlagElements.py

Export determination: 6.

Rationale: BUG: fixed extraction for vertices list

Change #603 with diff file ISSM-15999-16000.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m M /issm/trunk-jpl/src/m/classes/clusters/pfe.m

Export determination: 6.

Rationale: CHG: updating cluster scripts

Change #604 with diff file ISSM-16000-16001.diff:

Function name:

M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: BUG: fixed problem with RoundSheetShelf python

Change #605 with diff file ISSM-16001-16002.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive511.nc M /issm/trunk-jpl/test/Archives/Archive613.nc

Export determination: 6.

Rationale: CHG: updated archives

Change #606 with diff file ISSM-16002-16003.diff:

Function name:

A /issm/trunk-jpl/package/ubunt/issmpkg A /issm/trunk-jpl/package/ubunt/issmpkg/README

A /issm/trunk-jpl/package/ubunt/issmpkg/environment.sh A /issm/trunk-

jpl/package/ubunt/issmpkg/install-3.2-linux64.sh A /issm/trunk-jpl/package/ubunt/issmpkg/issm_optic

A /issm/trunk-jpl/package/ubunt/issmpkg/templates A /issm/trunk-jpl/package/ubunt/issmpkg/templ

A /issm/trunk-jpl/package/ubunt/issmpkg/triangle.h.patch

Export determination: 6.

Rationale:

Change #607 with diff file ISSM-16003-16004.diff:

Function name:

D /issm/trunk-jpl/package/ubunt/issm.deb

Export determination: 6.

Rationale: DEL: too large to be under svn... sorry :)

Change #608 with diff file ISSM-16004-16005.diff:

Function name:

M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: CHG: trying to fix invalid syntax

Change #609 with diff file ISSM-16005-16006.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/groundingline.py M /issm/trunk-jpl/test/Par/RoundSheetShelf.py

Export determination: 6.

Rationale: CHG: fixing grounding line in py

Change #610 with diff file ISSM-16006-16007.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py

M /issm/trunk-jpl/test/NightlyRun/test508.m M /issm/trunk-jpl/test/NightlyRun/test508.py

Export determination: 6.

Rationale: CHG: relaxing some tolerances

Change #611 with diff file ISSM-16007-16008.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AnalysisConfiguration.cpp

M /issm/trunk-jpl/src/c/analyses/CorePointerFromSolutionEnum.cpp M /issm/trunk-

jpl/src/c/analyses/analyses.h A /issm/trunk-jpl/src/c/analyses/balancevelocity_core.cpp

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/Balancevelocity/CreateConstraintsBalancevelocity.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity/CreateLoadsBalancevelocity.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity/CreateNodesBalancevelocity.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity/UpdateElementsBalancevelocity.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/modules/ModelProcess

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: added balancevelocity solver (not finished yet)

Change #612 with diff file ISSM-16008-16009.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py A /issm/trunk-jpl/src/m/enum/BalancevelocityAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/BalancevelocitySolutionEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/src/m/solve/process_solve_options.m M /issm/trunk-jpl/src/m/solve/process_solve_options.py

Export determination: 6.

Rationale: NEW: added balancevelocity solver (not finished yet)

Change #613 with diff file ISSM-16009-16010.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h

Export determination: 6.

Rationale: ADD/CHG: DrainageFunctionWaterfraction and ComputeBasalMelt-ingrate added

Change #614 with diff file ISSM-16010-16011.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp

Export determination: 6.

Rationale: NEW: added smoothed surface, required for bal vel

Change #615 with diff file ISSM-16011-16012.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/SmoothedSurfaceSlopeXEnum.m A /issm/trunk-jpl/src/m/enum/SmoothedSurfaceSlopeYAnalysisEnum.m

Export determination: 6.

Rationale: NEW: added smoothed surface, required for bal vel

Change #616 with diff file ISSM-16012-16013.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.
Rationale: BUG: fixed right hand side

Change #617 with diff file ISSM-16013-16014.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cp

Export determination: 6.

Rationale: CHG: minor cosmetics

Change #618 with diff file ISSM-16014-16015.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h

Export determination: 6.

Rationale: CHG: commenting our Johannes functions so that the code still
compiles

Change #619 with diff file ISSM-16015-16016.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: forgot += after Ke-_ivalues[i*numnodes+j]

Change #620 with diff file ISSM-16016-16017.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: still not there yet

Change #621 with diff file ISSM-16017-16018.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: BUG: surface slopes are reverted

Change #622 with diff file ISSM-16018-16019.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cp

Export determination: 6.

Rationale: CHG: added stabilization

Change #623 with diff file ISSM-16019-16020.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: fixed balanced velocities now working

Change #624 with diff file ISSM-16020-16021.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/configs/5.3.1/ParallelLibrary.cpp.patch

Export determination: 6.

Rationale: CHG: Updated ParallelLibrary.cpp.patch for Dakota 5.3.1.

Change #625 with diff file ISSM-16021-16022.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.

Rationale: CHG: starting to add Subelement2 migration in Penta

Change #626 with diff file ISSM-16022-16023.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity/CreateConstraintsBalancevelocity.cpp

Export determination: 6.

Rationale: CHG: no constraint for now in bal vel

Change #627 with diff file ISSM-16023-16024.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h

Export determination: 6.

Rationale: CHG: working on Subelement2 migration in Penta

Change #628 with diff file ISSM-16024-16025.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp M /issm/trunk-

jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateNodesStressbalance.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceSIA/CreateNodesStressbalanceSIA.cpp

Export determination: 6.

Rationale: NEW: added node local id (lid), required to speed up stiffness matrix
preallocation

Change #629 with diff file ISSM-16025-16026.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h

Export determination: 6.

Rationale: NEW: added node local id (lid), required to speed up stiffness matrix
preallocation

Change #630 with diff file ISSM-16026-16027.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/steadystate_core.cpp

M /issm/trunk-jpl/src/c/analyses/transient_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h

M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy

M /issm/trunk-jpl/src/c/modules/modules.h M /issm/trunk-jpl/src/c/shared/Elements/DrainageFunctionWa

M /issm/trunk-jpl/src/c/shared/Elements/elements.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition

M /issm/trunk-jpl/src/m/classes/model/model.m M /issm/trunk-jpl/src/m/classes/thermal.m

Export determination: 6.

Rationale: ADD: update enthalpy module

Change #631 with diff file ISSM-16027-16028.diff:

Function name:

A /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx A /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx.h

A /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx/PostprocessingEnthalpyx.h

Export determination: 6.

Rationale: ADD: missing postprocessing module for enthalpy

Change #632 with diff file ISSM-16028-16029.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/ThermalIsdynamicbasalE

Export determination: 6.

Rationale:

Change #633 with diff file ISSM-16029-16030.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp

Export determination: 6.

Rationale: ADD: missing enums for enthalpy

Change #634 with diff file ISSM-16030-16031.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: synchronized StringToEnum

Change #635 with diff file ISSM-16031-16032.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #636 with diff file ISSM-16032-16033.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx/PostprocessingEnthalpyx.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #637 with diff file ISSM-16033-16034.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: fixed compilation

Change #638 with diff file ISSM-16034-16035.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: using GetInputOnVertices in enthalpy modules

Change #639 with diff file ISSM-16035-16036.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
Export determination: 6.
Rationale: CHG: use nodes Lid to allocate stiffness matrix (divides allocation time by 10)

Change #640 with diff file ISSM-16036-16037.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: balance velocitis now use observed directions if provided

Change #641 with diff file ISSM-16037-16038.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: some more cleaning in enthalpy postprocessing

Change #642 with diff file ISSM-16038-16039.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: removed profiling lines

Change #643 with diff file ISSM-16039-16040.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test121.m M /issm/trunk-jpl/test/NightlyRun/test122.m
M /issm/trunk-jpl/test/NightlyRun/test325.m M /issm/trunk-jpl/test/NightlyRun/test326.m
M /issm/trunk-jpl/test/NightlyRun/test327.m M /issm/trunk-jpl/test/NightlyRun/test431.m
M /issm/trunk-jpl/test/NightlyRun/test432.m
Export determination: 6.
Rationale: CHG: Need watercolumn initial values to run enthalpy

Change #644 with diff file ISSM-16040-16041.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/initialization.m M /issm/trunk-jpl/src/m/classes/initialization.py
Export determination: 6.
Rationale: CHG: check that you have watercolumn in model

Change #645 with diff file ISSM-16041-16042.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test120.m M /issm/trunk-jpl/test/NightlyRun/test120.py
M /issm/trunk-jpl/test/NightlyRun/test121.py M /issm/trunk-jpl/test/NightlyRun/test122.py
M /issm/trunk-jpl/test/NightlyRun/test325.py M /issm/trunk-jpl/test/NightlyRun/test326.py
M /issm/trunk-jpl/test/NightlyRun/test327.py M /issm/trunk-jpl/test/NightlyRun/test431.py
M /issm/trunk-jpl/test/NightlyRun/test432.py
Export determination: 6.
Rationale: BUG: missing watercolumn initialization

Change #646 with diff file ISSM-16042-16043.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Load.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h

Export determination: 6.

Rationale: NEW: speeding up matrix preallocation process again, by keeping track of flags to revert

Change #647 with diff file ISSM-16043-16044.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: chaining algorithm can work with lids only instead of sids

Change #648 with diff file ISSM-16044-16045.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive530.nc A /issm/trunk-jpl/test/Archives/Archive531.nc
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
A /issm/trunk-jpl/test/NightlyRun/test530.m A /issm/trunk-jpl/test/NightlyRun/test530.py
A /issm/trunk-jpl/test/NightlyRun/test531.m A /issm/trunk-jpl/test/NightlyRun/test531.py

Export determination: 6.

Rationale: NEW: added balance velocity tests

Change #649 with diff file ISSM-16045-16046.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity M /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #650 with diff file ISSM-16046-16047.diff:

Function name:

M /issm/trunk-jpl/scripts/historyISSM.m

Export determination: 6.

Rationale: CHG: updated matlab history

Change #651 with diff file ISSM-16047-16048.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/controltao_core.cpp

Export determination: 6.

Rationale: NEW: added gradient

Change #652 with diff file ISSM-16048-16049.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp

Export determination: 6.

Rationale: BUG: fixed memory leak for thickness

Change #653 with diff file ISSM-16049-16050.diff:

Function name:

A /issm/trunk-jpl/src/m/exp/Shp2Exp.m

Export determination: 6.

Rationale: CHG: go from shapefile to exp file

Change #654 with diff file ISSM-16050-16051.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp

Export determination: 6.

Rationale: BUG: wrong count of arguments passed to DeleteData

Change #655 with diff file ISSM-16051-16052.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.m

Export determination: 6.
Rationale: CHG: do not loook for expfile if expdisp not provided

Change #656 with diff file ISSM-16052-16053.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/scaleruler.m
Export determination: 6.
Rationale: NEW: scaleruler now takes into account units

Change #657 with diff file ISSM-16053-16054.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_scatter.m
Export determination: 6.
Rationale: NEW: automatically disseminate data, depending on cutoff value

Change #658 with diff file ISSM-16054-16055.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive122.nc M /issm/trunk-jpl/test/Archives/Archive327.nc
M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/Archives/Archive432.nc
Export determination: 6.
Rationale: CHG: changed archives for improvements in enthalpy solution

Change #659 with diff file ISSM-16055-16056.diff:
Function name:
M /issm/trunk-jpl/src/m/interp/averaging.m A /issm/trunk-jpl/src/m/interp/averaging.py
Export determination: 6.
Rationale: NEW: python version of averaging function

Change #660 with diff file ISSM-16056-16057.diff:
Function name:
A /issm/trunk-jpl/src/m/mech/analyticaldamage.m A /issm/trunk-jpl/src/m/mech/analyticaldamage.py
Export determination: 6.
Rationale: NEW: matlab and python functions to calculate damage analytically

for an ice shelf (still needs some debugging and cleanup)

Change #661 with diff file ISSM-16057-16058.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-murdo-nopetsc.sh

Export determination: 6.

Rationale: CHG: need to point to the right metis

Change #662 with diff file ISSM-16058-16059.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity M /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx

Export determination: 6.

Rationale: CHG: getting svn to ignore some files

Change #663 with diff file ISSM-16059-16060.diff:

Function name:

M /issm/trunk-jpl/scripts/tai M /issm/trunk-jpl/scripts/vie M /issm/trunk-jpl/scripts/vil

Export determination: 6.

Rationale: CHG: simplifying tai vil and vie

Change #664 with diff file ISSM-16060-16061.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/externalpackages/mpich

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #665 with diff file ISSM-16061-16062.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test120.m M /issm/trunk-jpl/test/NightlyRun/test120.py

M /issm/trunk-jpl/test/NightlyRun/test209.m M /issm/trunk-jpl/test/NightlyRun/test209.py

M /issm/trunk-jpl/test/NightlyRun/test274.m M /issm/trunk-jpl/test/NightlyRun/test274.py

M /issm/trunk-jpl/test/NightlyRun/test426.m M /issm/trunk-jpl/test/NightlyRun/test426.py
M /issm/trunk-jpl/test/NightlyRun/test508.m M /issm/trunk-jpl/test/NightlyRun/test508.py
Export determination: 6.
Rationale: CHG: adjusted tolerances for success in the MPI, MUMPS but no
PETSC nightlys

Change #666 with diff file ISSM-16062-16063.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-larsen-gia.sh M /issm/trunk-jpl/configs/config-
linux64-larsen.sh M /issm/trunk-jpl/configs/config-linux64-murdo.sh M /issm/trunk-
jpl/configs/config-linux64-ubuntu64.sh

Export determination: 6.

Rationale: CHG: scotch not required anymore

Change #667 with diff file ISSM-16063-16064.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive101.nc M /issm/trunk-jpl/test/Archives/Archive102.nc
M /issm/trunk-jpl/test/Archives/Archive103.nc M /issm/trunk-jpl/test/Archives/Archive104.nc
M /issm/trunk-jpl/test/Archives/Archive105.nc M /issm/trunk-jpl/test/Archives/Archive106.nc
M /issm/trunk-jpl/test/Archives/Archive107.nc M /issm/trunk-jpl/test/Archives/Archive108.nc
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M /issm/trunk-jpl/test/Archives/Archive223.nc M /issm/trunk-jpl/test/Archives/Archive224.nc
M /issm/trunk-jpl/test/Archives/Archive225.nc M /issm/trunk-jpl/test/Archives/Archive226.nc

Change #668 with diff file ISSM-16064-16065.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive323.nc M /issm/trunk-jpl/test/NightlyRun/test323.m

M /issm/trunk-jpl/test/NightlyRun/test323.py

Export determination: 6.

Rationale: CHG: changes final time of test 323 to have 3 iterations (time_adapt)

Change #669 with diff file ISSM-16065-16066.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/analyticaldamage.m M /issm/trunk-jpl/src/m/mech/analyticaldamage.py

Export determination: 6.

Rationale: CHG: cleanup of damage function

Change #670 with diff file ISSM-16066-16067.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG refactored mumps logic and setup skeleton for mumps solver
adjoint

Change #671 with diff file ISSM-16067-16068.diff:

Function name:

M /issm/trunk-jpl/startup.py

Export determination: 6.

Rationale: CHG: added plotmodel import statement given its ubiquity

Change #672 with diff file ISSM-16068-16069.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG fixed initialization sequence

Change #673 with diff file ISSM-16069-16070.diff:

Function name:

M /issm/trunk-jpl/configs/config-arm-linux.sh

Export determination: 6.

Rationale: CHG: not needed for arm build

Change #674 with diff file ISSM-16070-16071.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiDenseMat.h M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDe

M /issm/trunk-jpl/src/c/toolkits/mumps/mumpsincludes.h

Export determination: 6.

Rationale: CHG update mumps include file following the model of the gsl include file; pass a Parameters instance all the way to the solver so we can access the adolc EDF structure; do the solver registration based on configurations options - the function pointers are separate structure members and can coexist.

Change #675 with diff file ISSM-16071-16072.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG didn't mean to commit that in the first place

Change #676 with diff file ISSM-16072-16073.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test216.m M /issm/trunk-jpl/test/NightlyRun/test290.py

M /issm/trunk-jpl/test/NightlyRun/test403.py M /issm/trunk-jpl/test/NightlyRun/test421.m

M /issm/trunk-jpl/test/NightlyRun/test421.py M /issm/trunk-jpl/test/NightlyRun/test422.m

M /issm/trunk-jpl/test/NightlyRun/test422.py

Export determination: 6.

Rationale: CHG: updated some tolerances for thickness varying with x

Change #677 with diff file ISSM-16073-16074.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive433.nc M /issm/trunk-jpl/test/NightlyRun/test433.m

Export determination: 6.
Rationale: CHG: added subement2migration test in 3d

Change #678 with diff file ISSM-16074-16075.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.h

Export determination: 6.

Rationale: CHG: changd gausspenta for subelement2 migration

Change #679 with diff file ISSM-16075-16076.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test120.m M /issm/trunk-jpl/test/NightlyRun/test120.py

M /issm/trunk-jpl/test/NightlyRun/test206.m M /issm/trunk-jpl/test/NightlyRun/test206.py

M /issm/trunk-jpl/test/NightlyRun/test209.m M /issm/trunk-jpl/test/NightlyRun/test209.py

M /issm/trunk-jpl/test/NightlyRun/test216.m M /issm/trunk-jpl/test/NightlyRun/test216.py

M /issm/trunk-jpl/test/NightlyRun/test274.m M /issm/trunk-jpl/test/NightlyRun/test274.py

M /issm/trunk-jpl/test/NightlyRun/test318.m M /issm/trunk-jpl/test/NightlyRun/test318.py

M /issm/trunk-jpl/test/NightlyRun/test332.m

Export determination: 6.

Rationale: CHG: adjusting tolerances

Change #680 with diff file ISSM-16076-16077.diff:

Function name:

M /issm/trunk-jpl/src/mobile/native/Main.cpp

Export determination: 6.

Rationale: CHG: new comm value

Change #681 with diff file ISSM-16082-16083.diff:

Function name:

M /issm/trunk-jpl/src/mobile/native/Main.cpp

Export determination: 6.

Rationale: CHG: some adjustments to go back to only one slider.

Change #682 with diff file ISSM-16083-16084.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG compilable with ampi/adolc now

Change #683 with diff file ISSM-16084-16085.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: missing AMPI include path

Change #684 with diff file ISSM-16085-16086.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp

Export determination: 6.

Rationale: CHG no special version for ampi needed

Change #685 with diff file ISSM-16086-16087.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.

Rationale: CHG need type consistency IssmPDouble - ISSM_MPL_PDOUBLE

Change #686 with diff file ISSM-16087-16088.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.

Rationale: CHG type consistency

Change #687 with diff file ISSM-16088-16089.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp

Export determination: 6.
Rationale: CHG: some formatting

Change #688 with diff file ISSM-16089-16090.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py
Export determination: 6.
Rationale: CHG: relaxed tolerance

Change #689 with diff file ISSM-16090-16091.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h
Export determination: 6.
Rationale: CHG added missing definition

Change #690 with diff file ISSM-16091-16092.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: issue with miscast

Change #691 with diff file ISSM-16092-16093.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive3001.nc M /issm/trunk-jpl/test/Archives/Archive3002.nc
M /issm/trunk-jpl/test/Archives/Archive3003.nc M /issm/trunk-jpl/test/Archives/Archive3004.nc
M /issm/trunk-jpl/test/Archives/Archive3005.nc M /issm/trunk-jpl/test/Archives/Archive3006.nc
M /issm/trunk-jpl/test/Archives/Archive3007.nc M /issm/trunk-jpl/test/Archives/Archive3008.nc
M /issm/trunk-jpl/test/Archives/Archive3009.nc M /issm/trunk-jpl/test/Archives/Archive3010.nc
M /issm/trunk-jpl/test/Archives/Archive3015.nc M /issm/trunk-jpl/test/Archives/Archive3019.nc
M /issm/trunk-jpl/test/Archives/Archive3020.nc
Export determination: 6.
Rationale: CHG: updating archives to reflect changes by Helene Seroussi on slopes x

Change #692 with diff file ISSM-16093-16094.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test421.m

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #693 with diff file ISSM-16094-16095.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/discover.m

Export determination: 6.

Rationale: CHG: add full path for output files

Change #694 with diff file ISSM-16095-16096.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.py

Export determination: 6.

Rationale: CHG: added try so that python port works when matplotlib is not installed

Change #695 with diff file ISSM-16096-16097.diff:

Function name:

M /issm/trunk-jpl/Makefile.am M /issm/trunk-jpl/configure.ac M /issm/trunk-jpl/externalpackages/valgrind/install-macosx64.sh M /issm/trunk-jpl/externalpackages/valgrind/issm.supp
M /issm/trunk-jpl/externalpackages/vim/addons/vimrc M /issm/trunk-jpl/m4/issm_options.m4
M /issm/trunk-jpl/src/m/Makefile.am

Export determination: 6.

Rationale: CHG: only install src/m/*m and */py in bin/ if enable-development is no

Change #696 with diff file ISSM-16097-16098.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_mesh.py

Export determination: 6.

Rationale: BUG: disable colorbar for mesh plot

Change #697 with diff file ISSM-16098-16099.diff:

Function name:

A /issm/trunk-jpl/src/m/exp/expcoarsen.py

Export determination: 6.

Rationale: CHG: python script to coarsen domain outline

Change #698 with diff file ISSM-16099-16100.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.py

Export determination: 6.

Rationale: CHG: fixed issue with locating the python database files

Change #699 with diff file ISSM-16100-16101.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/organizer.py

Export determination: 6.

Rationale: CHG: fixed issue with database extension name

Change #700 with diff file ISSM-16101-16102.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp

Export determination: 6.

Rationale: CHG: added check on coordinate system during model processor

Change #701 with diff file ISSM-16102-16103.diff:

Function name:

M /issm/trunk-jpl/externalpackages/cython M /issm/trunk-jpl/externalpackages/matplotlib/install-

macosx64.sh M /issm/trunk-jpl/src/c/classes/Elements/Elements.cpp M /issm/trunk-

jpl/src/c/modules/Krigingx/pKrigingx.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/MatToSerial.cpp

M /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecToMPISerial.cpp M /issm/trunk-

jpl/src/m/exp/expcoarsen.py M /issm/trunk-jpl/startup.py

Export determination: 6.

Rationale: CHG: get svn to ignore some files. Fixed some issues with miscast
ISSM_MPI_DOUBLE and ISSM_MPI_PDOUBLE types.

Change #702 with diff file ISSM-16103-16104.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: defaulting to non development trunk

Change #703 with diff file ISSM-16104-16105.diff:
Function name:
M /issm/trunk-jpl/externalpackages/valgrind/install-altix64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-linux64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-macosx32.sh M /issm/trunk-jpl/externalpackages/valgrind/install-macosx64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-win32.sh
Export determination: 6.
Rationale: CHG: switching to valgrind 3.8.1

Change #704 with diff file ISSM-16105-16106.diff:
Function name:
A /issm/trunk-jpl/src/m/geometry/slope.py
Export determination: 6.
Rationale: CHG: slope python module

Change #705 with diff file ISSM-16106-16107.diff:
Function name:
M /issm/trunk-jpl/scripts/report.sh
Export determination: 6.
Rationale: CHG: no more than 20 files anymore

Change #706 with diff file ISSM-16107-16108.diff:
Function name:
M /issm/trunk-jpl/src/m/Makefile.am
Export determination: 6.
Rationale: CHG: fixed Makefile.am for python code, which is not in every matlab directory

Change #707 with diff file ISSM-16108-16109.diff:
Function name:
A /issm/trunk-jpl/src/m/inversions/parametercontroldrag.py
Export determination: 6.
Rationale: CHG: started conversion of these files to python

Change #708 with diff file ISSM-16109-16110.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/organizer.py
Export determination: 6.
Rationale: CHG: fixed issue with organizer and databases

Change #709 with diff file ISSM-16110-16111.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/cloud.m
Export determination: 6.
Rationale: CHG: need to cd to execution dir

Change #710 with diff file ISSM-16111-16112.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/cloud.m
Export determination: 6.
Rationale: CHG: update non-interactive

Change #711 with diff file ISSM-16112-16113.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/waitonlock.m
Export determination: 6.
Rationale: CHG: need a special case for cloud

Change #712 with diff file ISSM-16113-16114.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/shared/MemOps/MemOps.cpp

M /issm/trunk-jpl/src/c/shared/MemOps/MemOps.h

Export determination: 6.

Rationale: CHG added specialization of adhouble xNew so that we ensure contiguous locations

Change #713 with diff file ISSM-16114-16115.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.

Rationale: CHG adolc tape numbered by rank

Change #714 with diff file ISSM-16115-16116.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp

Export determination: 6.

Rationale: CHG the working assumption is that all independents and dependent designations happen on rank 0

Change #715 with diff file ISSM-16116-16117.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/IndependentObject.cpp

Export determination: 6.

Rationale: CHG: fixed issue with scalar

Change #716 with diff file ISSM-16117-16118.diff:

Function name:

A /issm/trunk-jpl/src/m/dev A /issm/trunk-jpl/src/m/dev/developmentpath.m

A /issm/trunk-jpl/src/m/dev/developmentpath.py

Export determination: 6.

Rationale: NEW: added development path to replace startup.* Since ISSM can now be installed anywhere, most people will just use issmdir/bin and issmdir/lib, not src/m which is for developers only. Regular users: matlab -i adpath('/usr/issm/bin/','/usr/issm/lib/'); python -i import sys sys.path.append('/usr/issm/bin/') sys.path.append('/usr/issm/lib/') Developers: matlab -i matlab -nodesktop -nosplash -r "addpath \$ISSM_DIR/src/m/dev; developmentpath;" python -i

ipython -i \$ISSM_DIR/src/m/dev/developmentpath.py

Change #717 with diff file ISSM-16118-16119.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG make sure independent/dependent settings happen only on rank 0

Change #718 with diff file ISSM-16119-16120.diff:

Function name:

D /issm/trunk-jpl/src/m/dev/developmentpath.m D /issm/trunk-jpl/src/m/dev/developmentpath.py

A /issm/trunk-jpl/src/m/dev/devpath.m (from /issm/trunk-jpl/src/m/dev/developmentpath.m:16117)

A /issm/trunk-jpl/src/m/dev/devpath.py (from /issm/trunk-jpl/src/m/dev/developmentpath.py:16117)

D /issm/trunk-jpl/startup.m D /issm/trunk-jpl/startup.py

Export determination: 6.

Rationale: NEW: added devpath to replace startup.* Since ISSM can now be installed anywhere, most people will just use issmdir/bin and issmdir/lib, not src/m which is for developers only. Regular users: matlab -i addpath('/usr/issm/bin/', '/usr/issm/lib/'); python -i import sys sys.path.append('/usr/issm/bin/') sys.path.append('/usr/issm/lib/') Developers: matlab -i matlab -nodesktop -nosplash -r "addpath \$ISSM_DIR/src/m/dev; devpath;" python -i ipython -i \$ISSM_DIR/src/m/dev/devpath.py

Change #719 with diff file ISSM-16120-16121.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG rank guard only on the actual dependent declaration operation

Change #720 with diff file ISSM-16121-16122.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp

Export determination: 6.

Rationale: CHG guard the function pointer settings based on the configuration

Change #721 with diff file ISSM-16122-16123.diff:

Function name:

M /issm/trunk-jpl/Makefile.am

Export determination: 6.

Rationale: BUG: no startup anymore

Change #722 with diff file ISSM-16123-16124.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: no startup anymore

Change #723 with diff file ISSM-16124-16125.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp

Export determination: 6.

Rationale: CHG more verbose

Change #724 with diff file ISSM-16125-16126.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.
M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.h M /issm/trunk-jpl/src/c/classes/Materials/Matic
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.h M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/classes/Node.h M /issm/trunk-jpl/src/c/classes/Update.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.h
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.h

Export determination: 6.

Rationale: CHG: cleaning up Node that is not an Update object anymore, and
removed unused InputUpdateFromVector functions

Change #725 with diff file ISSM-16126-16127.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h A /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx
A /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
A /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.h
A /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx A /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx.h
A /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.h
M /issm/trunk-jpl/src/c/modules/Exp2Kmlx/Exp2Kmlx.h A /issm/trunk-jpl/src/c/modules/SystemMatricesx
A /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp A /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.h M /issm/trunk-jpl/src/c/modules/modules.h
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_adjoint_linear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_linear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_newton.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_stokescoupling_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp

Export determination: 6.

Rationale: CHG: moving SystemMatrices back to modules

Change #726 with diff file ISSM-16127-16128.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/dakota_core.cpp

Export determination: 6.

Rationale: CHG: fixing warning about char*

Change #727 with diff file ISSM-16128-16129.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: added ISSM_PREFIX

Change #728 with diff file ISSM-16129-16130.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: make this bcst call type consistent

Change #729 with diff file ISSM-16130-16131.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #730 with diff file ISSM-16131-16132.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/ad_core.cpp
Export determination: 6.
Rationale: CHG tag is my_rank here too

Change #731 with diff file ISSM-16132-16133.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp
Export determination: 6.
Rationale: CHG ensure contiguous explicit calls are no longer needed here because they are embedded in the xNew specialization; m should be ==n but I changed it anyway; in order to update the adjoint of the matrix I need first broadcast the original solution and the adjoint of the right hand side because the matrix is assembled and therefore the individual matrix partitions must be updated on the respective ranks; also to get the matrix elements right we use the original values for the indices in the iArr because the local_irn/local_jcn may be changed during the factorization.