

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 17802-17983

(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: May-13-2014

Document Title/Description: ISSM changes from revision 17802 to revision 17983

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:** May-13-2014

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
 - 2: Qualifies for ITAR Exemption
 - 3: Covered by Department of State License/Agreement Number
 - 4: Covered by Department of Commerce validated license or exception
 - 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-17804-17805.diff:

Function name:

D /issm/trunk-jpl/src/java

Export determination: 6.

Rationale: CHG: temp: removing java for sync, putting it back afterwards

Change #2 with diff file ISSM-17805-17806.diff:

Function name:

M /issm/trunk-jpl A /issm/trunk-jpl/configs/configure.sh (from /issm/trunk/configs/configure.sh:17804)

M /issm/trunk-jpl/src

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-17807-17808.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 17806 from being merged into trunk-jpl

Change #4 with diff file ISSM-17808-17809.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp A /issm/trunk-jpl/src/java

A /issm/trunk-jpl/src/java/COPYING A /issm/trunk-jpl/src/java/Changelog_1.0.0.txt
A /issm/trunk-jpl/src/java/License.txt A /issm/trunk-jpl/src/java/MANIFEST.MF
A /issm/trunk-jpl/src/java/build A /issm/trunk-jpl/src/java/build/gui_elements
A /issm/trunk-jpl/src/java/build/gui_elements/AlternativePanel.class A /issm/trunk-jpl/src/java/build/gui_elements/CheckBoxPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/ColorCe
A /issm/trunk-jpl/src/java/build/gui_elements/CombinedPanel\$1.class A /issm/trunk-jpl/src/java/build/gui_elements/CombinedPanel\$Type.class A /issm/trunk-jpl/src/java/build/gui_elements/ControlledPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/DecimalPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/DuplicatorPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/FramePanel.class A /issm/trunk-jpl/src/java/build/gui_elements/GUIBuildException.class A /issm/trunk-jpl/src/java/build/gui_elements/IntegerPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/OptionPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/PathPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/SelectorPanel.class A /issm/trunk-jpl/src/java/build/gui_elements/TextFieldPanel.class A /issm/trunk-jpl/src/java/build/main A /issm/trunk-jpl/src/java/build/main/GUI.class A /issm/trunk-jpl/src/java/build/main/GUIBuilder\$1.class A /issm/trunk-jpl/src/java/build/main/GUIBuilder.class A /issm/trunk-jpl/src/java/build/main/PanelControl.class A /issm/trunk-jpl/src/java/build/main/PanelNode.class A /issm/trunk-jpl/src/java/build/main/XMLHelper.class A /issm/trunk-jpl/src/java/build/resources A /issm/trunk-jpl/src/java/build/resources/config_schema-0.1.1.xsd A /issm/trunk-jpl/src/java/build/resources/config_schema.xsd A /issm/trunk-jpl/src/java/build/resources/default_config.xml A /issm/trunk-jpl/src/java/build/resources/document-export-4.png A /issm/trunk-jpl/src/java/build/resources/document-open-2.png A /issm/trunk-jpl/src/java/build/resources/document-preview.png A /issm/trunk-jpl/src/java/build/resources/icons A /issm/trunk-jpl/src/java/build/resources/icons/advancedsettings.png A /issm/trunk-jpl/src/java/build/resources/icons/fileopen.png A /issm/trunk-jpl/src/java/build/resources/icons/filesave.png A /issm/trunk-jpl/src/java/build/resources/icons/filesaveas.png A /issm/trunk-jpl/src/java/build/resources/icons/ini_open.png A /issm/trunk-jpl/src/java/build/resources/icons/kgghostview.png A /issm/trunk-jpl/src/java/build/resources/icons/mydocument.png A /issm/trunk-jpl/src/java/build/resources/icons/opensettings.png A /issm/trunk-jpl/src/java/build/resources/icons/readme.txt A /issm/trunk-jpl/src/java/build/resources/icons/reset.png A /issm/trunk-jpl/src/java/build/resources/icons/viewmag.png A /issm/trunk-jpl/src/java/build/resources/icons/xml_open.png A /issm/trunk-jpl/src/java/build.xml A /issm/trunk-jpl/src/java/dist A /issm/trunk-jpl/src/java/dist/inishell.jar A /issm/trunk-jpl/src/java/doc A /issm/trunk-jpl/src/java/doc/examples A /issm/trunk-jpl/src/java/doc/examples/io.ini A /issm/trunk-jpl/src/java/doc/examples/issm.xml A /issm/trunk-jpl/src/java/doc/examples/meteoio_config.xml A /issm/trunk-jpl/src/java/doc/examples/min_example.xml A /issm/trunk-jpl/src/java/doc/examples/snowpack_config.xml A /issm/trunk-jpl/src/java/inishell.sh A /issm/trunk-jpl/src/java/lib A /issm/trunk-jpl/src/java/lib/miglayout-4.0.jar A /issm/trunk-jpl/src/java/src A /issm/trunk-jpl/src/java/src/gui_elements A /issm/trunk-jpl/src/java/src/gui_elements/AlternativePanel.java A /issm/trunk-jpl/src/java/src/gui_elements/CheckBoxPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/CombinedPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/ControlledPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/DecimalPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/DuplicatorPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/FramePanel.java A /issm/trunk-jpl/src/java/src/gui_elements/GUIBuildException.java A /issm/trunk-jpl/src/java/src/gui_elements/IntegerPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/OptionPanel.java

A /issm/trunk-jpl/src/java/src/gui_elements/PathPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/SelectPanel.java A /issm/trunk-jpl/src/java/src/gui_elements/TextfieldPanel.java A /issm/trunk-jpl/src/java/src/main A /issm/trunk-jpl/src/java/src/main/GUI.java A /issm/trunk-jpl/src/java/src/main/GUIBuilder.java A /issm/trunk-jpl/src/java/src/main/PanelControl.java A /issm/trunk-jpl/src/java/src/main/PanelNode.java A /issm/trunk-jpl/src/java/src/main/XMLHelper.java A /issm/trunk-jpl/src/java/src/resources A /issm/trunk-jpl/src/java/src/resources/config_schema-0.1.1.xsd A /issm/trunk-jpl/src/java/src/resources/config_schema.xsd A /issm/trunk-jpl/src/java/src/resources/default_config.xml A /issm/trunk-jpl/src/java/src/resources/document-export-4.png A /issm/trunk-jpl/src/java/src/resources/document-open-2.png A /issm/trunk-jpl/src/java/src/resources/document-preview.png A /issm/trunk-jpl/src/java/src/resources/icons A /issm/trunk-jpl/src/java/src/resources/icons/advancedsettings.png A /issm/trunk-jpl/src/java/src/resources/icons/file_ops.xcf A /issm/trunk-jpl/src/java/src/resources/icons/filesave.png A /issm/trunk-jpl/src/java/src/resources/icons/init.png A /issm/trunk-jpl/src/java/src/resources/icons/init_open.png A /issm/trunk-jpl/src/java/src/resources/icons/init_save.png A /issm/trunk-jpl/src/java/src/resources/icons/mydocuments.png A /issm/trunk-jpl/src/java/src/resources/icons/opensettings.png A /issm/trunk-jpl/src/java/src/resources/icons/readme.txt A /issm/trunk-jpl/src/java/src/resources/icons/reset.png A /issm/trunk-jpl/src/java/src/resources/icons/view.png A /issm/trunk-jpl/src/java/src/resources/icons/xml_open.png

Export determination: 6.

Rationale: CHG: back to normal

Change #5 with diff file ISSM-17810-17811.diff:

Function name:

M /issm/trunk-jpl/src/m/extrusion/DepthAverage.m M /issm/trunk-jpl/src/m/extrusion/DepthAverage.py

Export determination: 6.

Rationale: BUG: Should check for Penta

Change #6 with diff file ISSM-17811-17812.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: collapse accesses 2d mesh fields that no longer exist

Change #7 with diff file ISSM-17812-17813.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: ADD: Compute Strainrates for Penta and Tria

Change #8 with diff file ISSM-17813-17814.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test315.m M /issm/trunk-jpl/test/NightlyRun/test315.py

M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py

M /issm/trunk-jpl/test/NightlyRun/test427.m M /issm/trunk-jpl/test/NightlyRun/test427.py

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

Export determination: 6.

Rationale: CHG: relaxing some tolerances

Change #9 with diff file ISSM-17814-17815.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_murdo.ad M /issm/trunk-jpl/jenkins/linux64_murdo.ampi

Export determination: 6.

Rationale: BUG: deactivate GIA for AD

Change #10 with diff file ISSM-17815-17816.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: disable Gia in windows

Change #11 with diff file ISSM-17816-17817.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: sime bug fixing

Change #12 with diff file ISSM-17817-17818.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: damage model initialization

Change #13 with diff file ISSM-17818-17819.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/mechanicalproperties.py

Export determination: 6.

Rationale: CHG: adding a print statement to remind user that damage-dependent properties are being calculated

Change #14 with diff file ISSM-17819-17820.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: coerce ncols and nrows as ints

Change #15 with diff file ISSM-17820-17821.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: call applyoptions even if data is none

Change #16 with diff file ISSM-17821-17822.diff:

Function name:

A /issm/trunk-jpl/externalpackages/latex2html A /issm/trunk-jpl/externalpackages/latex2html/install.sh

Export determination: 6.

Rationale: NEW: added latex2html

Change #17 with diff file ISSM-17822-17823.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added some options to define plot grid

Change #18 with diff file ISSM-17823-17824.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py

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

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 #19 with diff file ISSM-17824-17825.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Elements/Arrhenius.cpp

Export determination: 6.

Rationale: BUG: fixed AD compile by removing printf statement

Change #20 with diff file ISSM-17825-17826.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: initializing some variables

Change #21 with diff file ISSM-17826-17827.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py

Export determination: 6.

Rationale: CHG: relaxing some tolerances

Change #22 with diff file ISSM-17827-17828.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.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/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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: overloaded ComputeStrainRate(), since used by module al-ready

Change #23 with diff file ISSM-17828-17829.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3001.nc M /issm/trunk-jpl/test/Archives/Archive3004.nc

M /issm/trunk-jpl/test/NightlyRun/test3001.m

Export determination: 6.

Rationale: BUG: fixed AD runs

Change #24 with diff file ISSM-17829-17830.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows M /issm/trunk-jpl/test/NightlyRun/test804.m

M /issm/trunk-jpl/test/NightlyRun/test804.py

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #25 with diff file ISSM-17830-17831.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3101.nc M /issm/trunk-jpl/test/Archives/Archive3104.nc

M /issm/trunk-jpl/test/NightlyRun/test3001.m M /issm/trunk-jpl/test/NightlyRun/test3001.py

M /issm/trunk-jpl/test/NightlyRun/test3101.m M /issm/trunk-jpl/test/NightlyRun/test3101.py

Export determination: 6.

Rationale: CHG: updating AD tests

Change #26 with diff file ISSM-17831-17832.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp

A /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.h M /issm/trunk-

jpl/src/c/analyses/EnumToAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/analyses.h

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

M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/cores/AnalysisConfiguration.c

M /issm/trunk-jpl/src/c/cores/CorePointerFromSolutionEnum.cpp A /issm/trunk-

jpl/src/c/cores/balancethickness2.core.cpp M /issm/trunk-jpl/src/c/cores/cores.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 M /issm/trunk-jpl/src/c/shared/Enum/Synchron
M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m
M /issm/trunk-jpl/src/m/contrib/dassflow/importgmsh.m A /issm/trunk-jpl/src/m/enum/Balancethickness2
A /issm/trunk-jpl/src/m/enum/Balancethickness2SolutionEnum.m M /issm/trunk-
jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MeshVertexonboundaryEnum.m
A /issm/trunk-jpl/src/m/enum/SigmaNNEnum.m
Export determination: 6.
Rationale: NEW: added balancethickness2 solution for debugging with Jerome

Change #27 with diff file ISSM-17832-17833.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added balancethickness2 solution for debugging with Jerome

Change #28 with diff file ISSM-17833-17834.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: initialize isdamage when copying

Change #29 with diff file ISSM-17834-17835.diff:

Function name:

M /issm/trunk-jpl/src/m/interp/SectionValues.py

Export determination: 6.

Rationale: CHG: InterpFromMeshToMesh3d now available for python version
of SectionValues

Change #30 with diff file ISSM-17835-17836.diff:

Function name:

D /issm/trunk-jpl/externalpackages/latex2html

Export determination: 6.

Rationale: DEL: not needed anymore

Change #31 with diff file ISSM-17836-17837.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/robintemperature.py

Export determination: 6.

Rationale: BUG: forgot return statement

Change #32 with diff file ISSM-17837-17838.diff:

Function name:

D /issm/trunk-jpl/externalpackages/ssh

Export determination: 6.

Rationale: DEL: not needed

Change #33 with diff file ISSM-17838-17839.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applioptions.py M /issm/trunk-jpl/src/m/plot/plot_overlay.py

Export determination: 6.

Rationale: CHG: minor changes to plot options

Change #34 with diff file ISSM-17839-17840.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-

jpl/src/c/cores/balancethickness2_core.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/StringTo

A /issm/trunk-jpl/src/m/enum/Balancethickness2MisfitEnum.m M /issm/trunk-

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

A /issm/trunk-jpl/src/m/enum/NuYEnum.m A /issm/trunk-jpl/src/m/enum/PotentialEnum.m

Export determination: 6.

Rationale: CHG: added some Enums for balancethickness2

Change #35 with diff file ISSM-17840-17841.diff:

Function name:

M /issm/trunk-jpl/src/m/extrusion/project2d.py

Export determination: 6.

Rationale: BUG: don't collapse 2D arrays if they have more than once column

Change #36 with diff file ISSM-17841-17842.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: extend colormap so that contours fully cover max/min of data

Change #37 with diff file ISSM-17842-17843.diff:

Function name:

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/IoModelToConstraintsx/IoModelToConstraintsx.cpp

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

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

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

Export determination: 6.

Rationale: NEW: iomodel-_lfaces now has all its vertices

Change #38 with diff file ISSM-17843-17844.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: compute strain rates on GaussTria, not GaussPenta

Change #39 with diff file ISSM-17844-17845.diff:

Function name:

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

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

jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h

Export determination: 6.

Rationale: NEW: use edgeonboundary to figure out whether an edge should be constrained or not

Change #40 with diff file ISSM-17845-17846.diff:

Function name:

M /issm/trunk-jpl/src/m/dev/issmversion.m

Export determination: 6.

Rationale: CHG: updated copyright date

Change #41 with diff file ISSM-17846-17847.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added Tets

Change #42 with diff file ISSM-17847-17848.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/bamg/gmsh.m

Export determination: 6.

Rationale: NEW: gmsh to mesh with gmsh

Change #43 with diff file ISSM-17848-17849.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/NightlyRun/test1101.m M /issm/trunk-jpl/test/NightlyRun/test1102.m

M /issm/trunk-jpl/test/NightlyRun/test1103.m M /issm/trunk-jpl/test/NightlyRun/test1104.m

M /issm/trunk-jpl/test/NightlyRun/test1105.m M /issm/trunk-jpl/test/NightlyRun/test1106.m

M /issm/trunk-jpl/test/NightlyRun/test1107.m M /issm/trunk-jpl/test/NightlyRun/test1108.m

Export determination: 6.

Rationale: CHG: trying to reduce weekly runs

Change #44 with diff file ISSM-17849-17850.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive455.nc

Export determination: 6.

Rationale: CHG: updating P2 results since now interior edges are not constrained anymore

Change #45 with diff file ISSM-17850-17851.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.c
M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx
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 A /issm/trunk-jpl/src/m/classes/balancethicknes
A /issm/trunk-jpl/src/m/enum/BalancethicknessApparentMassbalanceEnum.m
A /issm/trunk-jpl/src/m/enum/BalancethicknessNuxEnum.m A /issm/trunk-jpl/src/m/enum/BalancethicknessNuyEnum.m A /issm/trunk-jpl/src/m/enum/BalancethicknessSpcpotential
A /issm/trunk-jpl/src/m/enum/BalancethicknessThicknessObsEnum.m A /issm/trunk-jpl/src/m/enum/BalancethicknessVxObsEnum.m A /issm/trunk-jpl/src/m/enum/BalancethicknessVyObsEnum.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/NuXEnum.m
D /issm/trunk-jpl/src/m/enum/NuYEnum.m

Export determination: 6.

Rationale: CHG: added new enums for balancethickness2solution

Change #46 with diff file ISSM-17851-17852.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updating hilighting

Change #47 with diff file ISSM-17852-17853.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateSingleNodeToElementConnectivity.cpp

Export determination: 6.

Rationale: CHG: preparing thermal with tets

Change #48 with diff file ISSM-17853-17854.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: tetra edges must be created in the same order as the nodal functions

Change #49 with diff file ISSM-17854-17855.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: gauss weights for faces needs to be consistent with reference element

Change #50 with diff file ISSM-17855-17856.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed NormalBase and NormalTop for flowband models

Change #51 with diff file ISSM-17856-17857.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/checkplotoptions.py

Export determination: 6.

Rationale: enabled text option for python plots

Change #52 with diff file ISSM-17857-17858.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #53 with diff file ISSM-17858-17859.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed NR and sigma.nn with right NormalBase

Change #54 with diff file ISSM-17859-17860.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixed contact condition for FS

Change #55 with diff file ISSM-17860-17861.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: NEW: added assert in NormalBase and NormalTop

Change #56 with diff file ISSM-17861-17862.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test322.m M /issm/trunk-jpl/test/NightlyRun/test322.py
M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: relaxed some tolerances

Change #57 with diff file ISSM-17862-17863.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.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/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h 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/InputDepthAverageAtBasex
A /issm/trunk-jpl/src/c/modules/InputDepthAverageAtBasex/InputDepthAverageAtBasex.cpp
A /issm/trunk-jpl/src/c/modules/InputDepthAverageAtBasex/InputDepthAverageAtBasex.h
A /issm/trunk-jpl/src/c/modules/InputExtrudex A /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.cpp
A /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.h M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: NEW: creating new modules to merge cores

Change #58 with diff file ISSM-17863-17864.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp

Export determination: 6.
Rationale: BUG: last changes for sigmaNN and Contact

Change #59 with diff file ISSM-17864-17865.diff:
Function name:
M /issm/trunk-jpl/src/m/materials/paterson.py
Export determination: 6.
Rationale: CHG: better handling of input in paterson

Change #60 with diff file ISSM-17865-17866.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.cpp M /issm/trunk-jpl/src/c/shared/Numerics/GaussPoin
Export determination: 6.
Rationale: BUG: fixed tetra gaussian points

Change #61 with diff file ISSM-17866-17867.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/gauss/GaussTetra.cpp
Export determination: 6.
Rationale: BUG: do not rescale gauss points at base

Change #62 with diff file ISSM-17867-17868.diff:
Function name:
M /issm/trunk-jpl/src/m/interp/holefiller.py
Export determination: 6.
Rationale: CHG: pass x and y directly; model not otherwise needed

Change #63 with diff file ISSM-17868-17869.diff:
Function name:
M /issm/trunk-jpl/src/m/parameterization/setmask.py
Export determination: 6.
Rationale: CHG: levelsets should only need to be rank-1 arrays

Change #64 with diff file ISSM-17869-17870.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: return axes control after plotting colorbar

Change #65 with diff file ISSM-17870-17871.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: starting to work on the rank-1 versus rank-2 issue in python

Change #66 with diff file ISSM-17871-17872.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #67 with diff file ISSM-17872-17873.diff:

Function name:

A /issm/trunk-jpl/externalpackages/m1qn3 A /issm/trunk-jpl/externalpackages/m1qn3/Makefile

A /issm/trunk-jpl/externalpackages/m1qn3/install.sh

Export determination: 6.

Rationale: NEW: added m1qn3

Change #68 with diff file ISSM-17873-17874.diff:

Function name:

M /issm/trunk-jpl/src/m/parameterization/setflowequation.py

Export determination: 6.

Rationale: BUG: reshape no longer needed if spc's are rank-1

Change #69 with diff file ISSM-17874-17875.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/PentaRef.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/SegRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.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

Export determination: 6.

Rationale: CHG: simplifying velocity and pressure nodal functions

Change #70 with diff file ISSM-17875-17876.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 M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.h
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/Elements/TriaRef.h

Export determination: 6.

Rationale: CHG: simplifying reference elements for FS

Change #71 with diff file ISSM-17876-17877.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: treat stressbalance spc's as rank-1

Change #72 with diff file ISSM-17877-17878.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: syntax

Change #73 with diff file ISSM-17878-17879.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test271.py
Export determination: 6.
Rationale: BUG: array indexing problem

Change #74 with diff file ISSM-17879-17880.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: CHG: fixed array indexing problem, nodes list passed to md.extract should be rank-1

Change #75 with diff file ISSM-17880-17881.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.py M /issm/trunk-jpl/src/m/plot/plot_manager.py
M /issm/trunk-jpl/src/m/plot/plot_mesh.py
Export determination: 6.
Rationale: CHG: fix for plot_mesh given new ImageGrid foundation

Change #76 with diff file ISSM-17881-17882.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/hydrologyshreve.m M /issm/trunk-jpl/src/m/classes/hydrologyshreve.py
Export determination: 6.
Rationale: CHG:reverting hydroshreve from Johnson to LeBrocq

Change #77 with diff file ISSM-17882-17883.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp
Export determination: 6.
Rationale: CHG:reverting hydroshreve from Johnson to LeBrocq

Change #78 with diff file ISSM-17883-17884.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
D /issm/trunk-jpl/src/m/enum/HydrologyshreveCEnum.m D /issm/trunk-jpl/src/m/enum/Hydrologyshreve
D /issm/trunk-jpl/src/m/enum/HydrologyshreveNEnum.m D /issm/trunk-jpl/src/m/enum/HydrologyshreveF
D /issm/trunk-jpl/src/m/enum/HydrologyshreveQEnum.m

Export determination: 6.

Rationale: CHG: removing unused enums

Change #79 with diff file ISSM-17884-17885.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed Shreve's new implementation

Change #80 with diff file ISSM-17885-17886.diff:

Function name:

M /issm/trunk-jpl/src/m/interp/SectionValues.py

Export determination: 6.

Rationale: CHG: removed print statement from debugging

Change #81 with diff file ISSM-17886-17887.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionEPLAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp
M /issm/trunk-jpl/src/c/modules/InputDepthAverageAtBasex M /issm/trunk-

jpl/src/c/modules/InputExtrude 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
M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dprisms.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/MeshElementonbaseEnum.m
D /issm/trunk-jpl/src/m/enum/MeshElementonsurfaceEnum.m
Export determination: 6.
Rationale: CHG: 1. removed elementonbed elementonsurface (everybody should use vertexonX) 2. added sanity check for bednormal and surface normal 3. merging extrudecore and InputExtrude for Penta

Change #82 with diff file ISSM-17887-17888.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp

Export determination: 6.

Rationale: CHG: using extrude rather than AddBasalInput

Change #83 with diff file ISSM-17888-17889.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp

Export determination: 6.

Rationale: CHG: reverting hydro tests to AddBasalInput for now:

Change #84 with diff file ISSM-17889-17890.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp

Export determination: 6.

Rationale: BUG: fixed segmentation fault

Change #85 with diff file ISSM-17890-17891.diff:

Function name:
D /issm/trunk-jpl/externalpackages/valgrind/README
Export determination: 6.
Rationale: DEL: not needed

Change #86 with diff file ISSM-17891-17892.diff:

Function name:
M /issm/trunk-jpl/src/m/interp/interp.py
Export determination: 6.
Rationale: CHG: default to gaussian kernel for radial interpolation smoothing function

Change #87 with diff file ISSM-17892-17893.diff:

Function name:
M /issm/trunk-jpl/src/m/interp/interp.py
Export determination: 6.
Rationale: CHG: generalize to allow interpolation onto arbitrary x,y coords

Change #88 with diff file ISSM-17893-17894.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/plotmodel.py M /issm/trunk-jpl/src/m/plot/processdata.py
Export determination: 6.
Rationale: BUG: wrong calculation of data lims when nan's present

Change #89 with diff file ISSM-17894-17895.diff:

Function name:
D /issm/trunk-jpl/externalpackages/m1qn3/Makefile M /issm/trunk-jpl/externalpackages/m1qn3/install.sh
Export determination: 6.
Rationale: CHG: more self consistent installation script

Change #90 with diff file ISSM-17895-17896.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am

M /issm/trunk-jpl/src/c/cores/WrapperCorePointerFromSolutionEnum.cpp A
 /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/cores.h
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M
 /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStrin
 M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/inversion.m
 M /issm/trunk-jpl/src/m/classes/inversion.py A /issm/trunk-jpl/src/m/classes/m1qn3inversion.m
 M /issm/trunk-jpl/src/m/classes/taoinversion.m M /issm/trunk-jpl/src/m/contrib/dassflow/importgmsh.m
 M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/InversionTaoEnum.m
 A /issm/trunk-jpl/src/m/enum/InversionTypeEnum.m
 Export determination: 6.
 Rationale: NEW: preparing m1qn3 inversion

Change #91 with diff file ISSM-17896-17897.diff:
 Function name:
 M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
 Export determination: 6.
 Rationale: CHG: making the code a little more flexible

Change #92 with diff file ISSM-17897-17898.diff:
 Function name:
 M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
 Export determination: 6.
 Rationale: CHG: minor

Change #93 with diff file ISSM-17898-17899.diff:
 Function name:
 M /issm/trunk-jpl/src/m/exp/expwrite.py
 Export determination: 6.
 Rationale: CHG: updated doc for python usage

Change #94 with diff file ISSM-17899-17900.diff:
 Function name:
 M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/modules/Gradjx/Gradjx.cpp
 M /issm/trunk-jpl/src/c/modules/Gradjx/Gradjx.h

Export determination: 6.
Rationale: NEW: m1qn3 now workingsvn diff cores/controlm1qn3_core.cpp

Change #95 with diff file ISSM-17900-17901.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py
Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #96 with diff file ISSM-17901-17902.diff:
Function name:
M /issm/trunk-jpl/externalpackages/m1qn3/install.sh
Export determination: 6.
Rationale: CHG: enable compilation with ifort when possible

Change #97 with diff file ISSM-17902-17903.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
Export determination: 6.
Rationale: CHG: minor compilation warning on pfe

Change #98 with diff file ISSM-17903-17904.diff:
Function name:
M /issm/trunk-jpl/src/m/mech/analyticaldamage.py M /issm/trunk-jpl/src/m/mech/thomasparams.py
Export determination: 6.
Rationale: BUG: a couple minor fixes for damage calcs

Change #99 with diff file ISSM-17904-17905.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m M /issm/trunk-jpl/src/m/classes/taoinversion.m
Export determination: 6.
Rationale: BUG: make a copy before marshalling responses

Change #100 with diff file ISSM-17905-17906.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

Export determination: 6.

Rationale: CHG: added constraints on m1qn3 inversion

Change #101 with diff file ISSM-17906-17907.diff:

Function name:

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

A /issm/trunk-jpl/src/m/classes/m1qn3inversion.py

Export determination: 6.

Rationale: NEW: python version of m1qn3 inversion class

Change #102 with diff file ISSM-17907-17908.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/Analysis.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/cores/control_core.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp

M /issm/trunk-jpl/src/c/cores/controltao_core.cpp M /issm/trunk-jpl/src/c/cores/cores.h

D /issm/trunk-jpl/src/c/cores/objectivefunction.cpp M /issm/trunk-jpl/src/c/shared/Numerics/BrentSearch.h

D /issm/trunk-jpl/src/c/shared/Numerics/OptArgs.h D /issm/trunk-jpl/src/c/shared/Numerics/OptimalSearch.h

M /issm/trunk-jpl/src/c/shared/Numerics/numerics.h

Export determination: 6.

Rationale: CHG: simplifying inversions

Change #103 with diff file ISSM-17908-17909.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m M /issm/trunk-jpl/src/m/classes/matdamageice.m

Export determination: 6.

Rationale: CHG: minor

Change #104 with diff file ISSM-17909-17910.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py

Export determination: 6.

Rationale: CHG: added dxmin and epsrel as options

Change #105 with diff file ISSM-17910-17911.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/InversionDxminEnum.m A /issm/trunk-jpl/src/m/enum/InversionEpsrelEnum

M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp

Export determination: 6.

Rationale: NEW: added some enums necessary for m1qn3

Change #106 with diff file ISSM-17911-17912.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/C

Export determination: 6.

Rationale: NEW: Dxmin and Epsrel are now parameters

Change #107 with diff file ISSM-17912-17913.diff:

Function name:

M /issm/trunk-jpl/scripts/GenerateReferences.sh D /issm/trunk-jpl/scripts/cloc-

1.55.pl A /issm/trunk-jpl/scripts/cloc-1.60.pl M /issm/trunk-jpl/scripts/cloc2html.py

M /issm/trunk-jpl/scripts/getloc.sh M /issm/trunk-jpl/src/dox/issm.dox

Export determination: 6.

Rationale: BUG: fixing number of lines of code in fortran 77

Change #108 with diff file ISSM-17913-17914.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py

Export determination: 6.

Rationale: BUG: a couple minor fixes for python version

Change #109 with diff file ISSM-17914-17915.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim 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 A /issm/trunk-jpl/src/m/enum/InversionAlgorithmEnum.m A /issm/trunk-jpl/src/m/enum/InversionFatolEnum.m A /issm/trunk-jpl/src/m/enum/InversionFgtolEnum.m A /issm/trunk-jpl/src/m/enum/InversionGatolEnum.m A /issm/trunk-jpl/src/m/enum/InversionGgtolEnum.m A /issm/trunk-jpl/src/m/enum/InversionGttolEnum.m A /issm/trunk-jpl/src/m/enum/InversionMaxiterEnum.m A /issm/trunk-jpl/src/m/enum/InversionMaxstepsEnum.m
 Export determination: 6.
 Rationale: CHG: added some enums for tao and m1qn3

Change #110 with diff file ISSM-17915-17916.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: pass color norm for element plot

Change #111 with diff file ISSM-17916-17917.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test211.m M /issm/trunk-jpl/test/NightlyRun/test211.py

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #112 with diff file ISSM-17917-17918.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py

M /issm/trunk-jpl/test/NightlyRun/test703.m

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #113 with diff file ISSM-17918-17919.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/controltao_core.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.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/classes/m1qn3inversion

M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py M /issm/trunk-jpl/src/m/classes/taoinversion.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/InversionEpsrelEnum.m
D /issm/trunk-jpl/src/m/enum/InversionFgtolEnum.m A /issm/trunk-jpl/src/m/enum/InversionFrtolEnum.m
D /issm/trunk-jpl/src/m/enum/InversionGgtolEnum.m A /issm/trunk-jpl/src/m/enum/InversionGrtolEnum.m
Export determination: 6.
Rationale: CHG: added some options to TAO and M1QN3 inversions

Change #114 with diff file ISSM-17919-17920.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add option to easily turn tick labels off

Change #115 with diff file ISSM-17920-17921.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m

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

Export determination: 6.

Rationale: CHG: better conversions between classes

Change #116 with diff file ISSM-17921-17922.diff:

Function name:

M /issm/trunk-jpl/src/m/interp/averaging.py

Export determination: 6.

Rationale: BUG: matrix needs to be in csc format for averaging

Change #117 with diff file ISSM-17922-17923.diff:

Function name:

M /issm/trunk-jpl/src/m/interp/averaging.py

Export determination: 6.

Rationale: BUG: coerce matrix to csc for each iteration

Change #118 with diff file ISSM-17923-17924.diff:

Function name:

D /issm/trunk-jpl/scripts/Update.sh D /issm/trunk-jpl/scripts/archive.sh D
/issm/trunk-jpl/scripts/sync.sh

Export determination: 6.

Rationale: CHG: removed some old scripts not needed anymore

Change #119 with diff file ISSM-17924-17925.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LsfReinitializationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAna
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Massfluxatgate.h
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/classes/kriging/Observations
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp
M /issm/trunk-jpl/src/c/cores/steadystate_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateEdges.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSp
M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp

Export determination: 6.

Rationale: CHG: some CPPcheck errors

Change #120 with diff file ISSM-17925-17926.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.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/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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: mergind GetXCoord Y and Z

Change #121 with diff file ISSM-17926-17927.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am 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/PentaRef
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/SegRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/SegRef.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.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/Materials/Material.h
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.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h
D /issm/trunk-jpl/src/c/modules/ComputeBasalStressx D /issm/trunk-jpl/src/c/modules/ComputeStrainRate
D /issm/trunk-jpl/src/c/modules/Reducevectorgtosx M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: DEL: cleaning up unused functions according to cppcheck

Change #122 with diff file ISSM-17927-17928.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test322.m M /issm/trunk-jpl/test/NightlyRun/test322.py
M /issm/trunk-jpl/test/NightlyRun/test513.m M /issm/trunk-jpl/test/NightlyRun/test513.py

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #123 with diff file ISSM-17928-17929.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better description of friction parameters

Change #124 with diff file ISSM-17929-17930.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: corrected description of friction coefficient calculation

Change #125 with diff file ISSM-17930-17931.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing toerances

Change #126 with diff file ISSM-17931-17932.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/balancethickness.m M /issm/trunk-jpl/src/m/classes/damage.m
M /issm/trunk-jpl/src/m/classes/debug.m M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/gia.m
M /issm/trunk-jpl/src/m/classes/groundingline.m M /issm/trunk-jpl/src/m/classes/inversion.m
M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/matice.m
M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m
M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/settings.m
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/thermal.m
M /issm/trunk-jpl/src/m/classes/timestepping.m M /issm/trunk-jpl/src/m/classes/transient.m

Export determination: 6.

Rationale: New version of gui renderer including dropboxes

Change #127 with diff file ISSM-17932-17933.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not comment out toolkits

Change #128 with diff file ISSM-17933-17934.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp
A /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/analyses.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/cores/AdjointCorePointerFromSolutionEnum.cpp A /issm/trunk-jpl/src/c/cores/adjointbalancethickness2.core.cpp M /issm/trunk-jpl/src/c/cores/cores.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.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 A /issm/trunk-jpl/src/m/enum/AdjointBalancet
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

Export determination: 6.

Rationale: CHG: preparing adjoint for irrotational flow

Change #129 with diff file ISSM-17934-17935.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added new analysis

Change #130 with diff file ISSM-17935-17936.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: temperature is back to P1

Change #131 with diff file ISSM-17936-17937.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/Control/UpdateElementsAndMaterialsControl.cpp

Export determination: 6.

Rationale: BUG: simplifying the way control inputs are created

Change #132 with diff file ISSM-17937-17938.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: minor

Change #133 with diff file ISSM-17938-17939.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: return zero friction if velocity magnitude is calculated as zero instead of raising error, useful for Weertman sliding law

Change #134 with diff file ISSM-17939-17940.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated display for groundingline classes

Change #135 with diff file ISSM-17940-17941.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: only depth-average damage if damgae is being used

Change #136 with diff file ISSM-17941-17942.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.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/GroundinglineMigration

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/groundingline.m

M /issm/trunk-jpl/src/m/classes/groundingline.py M /issm/trunk-jpl/src/m/classes/model.m

A /issm/trunk-jpl/src/m/enum/AggressiveMigrationEnum.m D /issm/trunk-

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

Export determination: 6.

Rationale: CHG: fixed spelling: Agressive-¿Aggressive

Change #137 with diff file ISSM-17942-17943.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/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/test426.m M /issm/trunk-jpl/test/NightlyRun/test426.py

M /issm/trunk-jpl/test/NightlyRun/test433.m M /issm/trunk-jpl/test/NightlyRun/test433.py

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

Export determination: 6.

Rationale: CHG: updated spelling for NR

Change #138 with diff file ISSM-17943-17944.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnal
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.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/Loads/Friction.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Friction.h

Export determination: 6.

Rationale: CHG: simplifying friction coefficient call

Change #139 with diff file ISSM-17944-17945.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: compute basal melt rate using ice density, and use relationship

$(1 - w) \cdot \rho_{\text{mixture}} = \rho_{\text{ice}}$

Change #140 with diff file ISSM-17945-17946.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: make sure writedata uses the Enum if provided

Change #141 with diff file ISSM-17946-17947.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveA
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.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/matdamageice.
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/matice.m
M /issm/trunk-jpl/src/m/classes/matice.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/MaterialsRhoSeawaterEnum.m D /issm/trunk-
jpl/src/m/enum/MaterialsRhoWaterEnum.m M /issm/trunk-jpl/src/m/qmu/setupdesign/IsScaled.m

Export determination: 6.

Rationale: CHG: renaming RhoWaterEnum RhoSeawaterEnum:

Change #142 with diff file ISSM-17947-17948.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive327.nc

Export determination: 6.

Rationale: CHG: update archive 327

Change #143 with diff file ISSM-17948-17949.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: added include of Enum

Change #144 with diff file ISSM-17949-17950.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: shelf dampening force for basal melting

Change #145 with diff file ISSM-17950-17951.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp

Export determination: 6.

Rationale: CHG: Getting rid of the storing coefficient in transfer term

Change #146 with diff file ISSM-17951-17952.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: initial value of isdamage = 0

Change #147 with diff file ISSM-17952-17953.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.c
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Friction.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/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/friction.m M /issm/trunk-jpl/src/m/classes/friction.py
A /issm/trunk-jpl/src/m/classes/frictionweertman.m A /issm/trunk-jpl/src/m/classes/frictionweertman.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/FrictionCEnum.m
A /issm/trunk-jpl/src/m/enum/FrictionLawEnum.m A /issm/trunk-jpl/src/m/enum/FrictionMEnum.m
M /issm/trunk-jpl/src/m/plot/plot_overlay.py
Export determination: 6.
Rationale: CHG: added frictionweertman class for Weertman sliding law

Change #148 with diff file ISSM-17953-17954.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_unit.py M /issm/trunk-jpl/src/m/plot/processdata.py

Export determination: 6.

Rationale: CHG: better handling of clim when nan's are present or when data is constant, so that color norm is better suited for plotting in python

Change #149 with diff file ISSM-17954-17955.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added a try/except for importing osgeo/gdal since basic python plots can work without it (only impacts overlay plots)

Change #150 with diff file ISSM-17955-17956.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: turn on ticklabels by default for mesh plot

Change #151 with diff file ISSM-17956-17957.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.c
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
Export determination: 6.
Rationale: BUG: forgot to retrieve frictionlaw

Change #152 with diff file ISSM-17957-17958.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/test/Archives/Archive703.nc
Export determination: 6.
Rationale: BUG: fixed FS flowand when meltrate = NaN

Change #153 with diff file ISSM-17958-17959.diff:
Function name:
M /issm/trunk-jpl/src/m/interp/SectionValues.py
Export determination: 6.
Rationale: BUG: fixed python SectionValues for 2D meshes

Change #154 with diff file ISSM-17959-17960.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: BUG: fixing problems in model collapse

Change #155 with diff file ISSM-17960-17961.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.4-hpc.sh
Export determination: 6.
Rationale: NEW: added installation script for hpc

Change #156 with diff file ISSM-17961-17962.diff:
Function name:
A /issm/trunk-jpl/src/m/materials/DepthAvgTempCond.m A /issm/trunk-jpl/src/m/materials/DepthAvgTem

Export determination: 6.

Rationale: CHG: conductive profile on an ice sheet, thermal computation.

Change #157 with diff file ISSM-17962-17963.diff:

Function name:

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

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

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

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

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

Export determination: 6.

Rationale: CHG: removed FUNCTION

Change #158 with diff file ISSM-17963-17964.diff:

Function name:

M /issm/trunk-jpl/src/m/materials/DepthAvgTempCond.py

Export determination: 6.

Rationale: CHG: issues with shape of vectors.

Change #159 with diff file ISSM-17964-17965.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: change in transfer computation

Change #160 with diff file ISSM-17965-17966.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/analyticaldamage.py

Export determination: 6.

Rationale: CHG: plotmodel should not be needed here

Change #161 with diff file ISSM-17966-17967.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/verbose.py
Export determination: 6.
Rationale: CHG: leftover from matlab;

Change #162 with diff file ISSM-17967-17968.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: removed FUNCTION

Change #163 with diff file ISSM-17968-17969.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m
Export determination: 6.
Rationale: CHG: Don't check vy field if domaintype is 2dvertical

Change #164 with diff file ISSM-17969-17970.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/modules/SurfaceAbsVel
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.h
Export determination: 6.
Rationale: CHG: preparing inversions of flowband models with Hongju

Change #165 with diff file ISSM-17970-17971.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive213.nc M /issm/trunk-jpl/test/Archives/Archive215.nc
M /issm/trunk-jpl/test/Archives/Archive511.nc
Export determination: 6.
Rationale: CHG: updated archive because we do not use the same order of integration for surface velocity misfit

Change #166 with diff file ISSM-17971-17972.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/cores/adjointstressbalance_core.cpp

Export determination: 6.

Rationale: NEW: inversions for FS blowbands

Change #167 with diff file ISSM-17972-17973.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.h
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp

Export determination: 6.

Rationale: NEW: added DragCoefficientAbsGradientx in module

Change #168 with diff file ISSM-17973-17974.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive213.nc M /issm/trunk-jpl/test/Archives/Archive215.nc
M /issm/trunk-jpl/test/Archives/Archive415.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

Export determination: 6.

Rationale: CHG: updating archives because we are using a better way to compute misfits

Change #169 with diff file ISSM-17974-17975.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test703.m

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #170 with diff file ISSM-17975-17976.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/Seg.h

M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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/SurfaceLogVelMisfitx/Su
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.h
Export determination: 6.
Rationale: CHG: moving misfits to modules

Change #171 with diff file ISSM-17976-17977.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/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.h
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
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/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.h
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/ThicknessAbsMisfitx/ThicknessAbsMisfitx.h
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.h
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.h
Export determination: 6.
Rationale: CHG: pushing misfits away from elements

Change #172 with diff file ISSM-17977-17978.diff:

Function name:

M /issm/trunk-jpl/externalpackages/valgrind/issm.supp
Export determination: 6.
Rationale: CHG: updating suppression list

Change #173 with diff file ISSM-17978-17979.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed some memory leaks

Change #174 with diff file ISSM-17979-17980.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:Fixing effective pressure computation

Change #175 with diff file ISSM-17980-17981.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:Fixing effective pressure computation

Change #176 with diff file ISSM-17981-17982.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed some memory leaks

Change #177 with diff file ISSM-17982-17983.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed memory leak and clean up extrusion