

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 16133-16554

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Oct-28-2013

Document Title/Description: ISSM changes from revision 16133 to revision 16554

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:** Oct-28-2013

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
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 - 3: Covered by Department of State License/Agreement Number
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 - 7: Other (specify)
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Change #1 with diff file ISSM-16133-16134.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: updating version number before sync

Change #2 with diff file ISSM-16136-16137.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/externalpackages/scipy/install-macosx-lion.sh M /issm/trunk-jpl/externalpackages/scipy/install-macosx-mlion.sh M /issm/trunk-jpl/externalpackages/scipy/install-macosx-snowleopard.sh

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #3 with diff file ISSM-16138-16139.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 16137 from being merged into trunk-jpl

Change #4 with diff file ISSM-16139-16140.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-16140-16141.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h
Export determination: 6.
Rationale: BUG: fixed inconsistent header file

Change #6 with diff file ISSM-16141-16142.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/ad_core.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx
M /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx M /issm/trunk-jpl/src/c/modules/ModelProcessorx
M /issm/trunk-jpl/src/c/modules/SystemMatricesx M /issm/trunk-jpl/src/c/shared/MemOps
A /issm/trunk-jpl/test/NightlyRun/testad.m
Export determination: 6.
Rationale: CHG: fixing memory leaks when running gsl adjoint solutions. Getting also svn to ignore some files.

Change #7 with diff file ISSM-16142-16143.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff
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/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 M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiD
M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolkitUtils.cpp M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolk
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/GslEnum.m
A /issm/trunk-jpl/src/m/enum/MumpsEnum.m M /issm/trunk-jpl/src/m/solvers/issmsolver.m
M /issm/trunk-jpl/src/m/solvers/issmsolver.py M /issm/trunk-jpl/test/NightlyRun/testad.m
Export determination: 6.
Rationale: CHG: added new type of matrix solver type, which allows us to make run time decisions on the type of package we use to solve our matrix systems.

Change #8 with diff file ISSM-16143-16144.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cosmetics

Change #9 with diff file ISSM-16144-16145.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp M /issm/trunk-jpl/src/c/analyses/balancevelocity_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/FemModel.cpp M /issm/trunk-jpl/src/c/classes/IndependentObject.cpp

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

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

/issm/trunk-jpl/src/c/modules/ModelProcessox/Stressbalance/UpdateElementsStressbalance.cpp

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

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

/issm/trunk-jpl/src/c/shared/Elements/LliboutryDuval.cpp M /issm/trunk-jpl/src/c/shared/MemOps/MemOps.h

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiDenseMat.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolkits.h

M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.cpp M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h

M /issm/trunk-jpl/src/m/classes/snowpack.m M /issm/trunk-jpl/src/m/classes/thermal.m

M /issm/trunk-jpl/src/m/exp/Shp2Exp.m M /issm/trunk-jpl/src/wrappers/python/include/wrapper_macros.h

Export determination: 6.

Rationale: CHG: removed double blank lines

Change #10 with diff file ISSM-16145-16146.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 problem with normal orientation initialization

Change #11 with diff file ISSM-16146-16147.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/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/Matrice.h M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h

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

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.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/inversion.m
M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/matdamageice.m
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/MaterialsRheologyDEnum.m A /issm/trunk-
jpl/src/m/enum/MaterialsRheologyDbarEnum.m M /issm/trunk-jpl/test/Archives/Archive272.nc
M /issm/trunk-jpl/test/NightlyRun/test270.m M /issm/trunk-jpl/test/NightlyRun/test270.py
M /issm/trunk-jpl/test/NightlyRun/test272.m M /issm/trunk-jpl/test/NightlyRun/test272.py
M /issm/trunk-jpl/test/NightlyRun/test274.m M /issm/trunk-jpl/test/NightlyRun/test274.py
Export determination: 6.
Rationale: CHG: switched damage representation from Z to D=(1-Z). Z is now
1/(1-D) instead of the original (1-D). which was incorrectly (on purpose) named.

Change #12 with diff file ISSM-16147-16148.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: refixed problem with normal =_orientation initialization

Change #13 with diff file ISSM-16148-16149.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.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/inversion.m

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

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

A /issm/trunk-jpl/src/m/enum/MaterialsDamageDEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsDamage

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

jpl/src/m/enum/MaterialsRheologyDbarEnum.m M /issm/trunk-jpl/test/NightlyRun/test270.m

M /issm/trunk-jpl/test/NightlyRun/test272.m M /issm/trunk-jpl/test/NightlyRun/test274.m

Export determination: 6.

Rationale: CHG: changed field rheology_D to damage_D.

Change #14 with diff file ISSM-16149-16150.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/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.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/Params/DoubleMatParam.cpp M /issm/trunk-
jpl/src/c/classes/Params/IntMatParam.cpp M /issm/trunk-jpl/src/c/modules/Shp2Expx/Shp2Expx.cpp
M /issm/trunk-jpl/src/c/modules/Shp2Kmlx/Shp2Kmlx.cpp M /issm/trunk-
jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSc

Export determination: 6.

Rationale: CHG: fixing cppcheck errors

Change #15 with diff file ISSM-16150-16151.diff:

Function name:

M /issm/trunk-jpl/scripts/cppcheck.sh

Export determination: 6.

Rationale: CHG: improving cppcheck script

Change #16 with diff file ISSM-16151-16152.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/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.c

Export determination: 6.

Rationale: CHG: more cppcheck errors

Change #17 with diff file ISSM-16152-16153.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp M /issm/trunk-jpl/src/c/shared/Bamg/HeapSort.h

M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/exce

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 M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiD

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG: more cppcheck errors

Change #18 with diff file ISSM-16153-16154.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: added break statements after each case

Change #19 with diff file ISSM-16154-16155.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test270.py M /issm/trunk-jpl/test/NightlyRun/test272.py

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

Export determination: 6.

Rationale: BUG: missed a couple changes to python tests

Change #20 with diff file ISSM-16155-16156.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp M /issm/trunk-jpl/src/c/shared/Exceptions/exce

Export determination: 6.

Rationale: NEW: use char* instead of string in ErrorException

Change #21 with diff file ISSM-16156-16157.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp

Export determination: 6.

Rationale: NEW: fixed cppcheck crash

Change #22 with diff file ISSM-16157-16158.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/matdamageice.i

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

A /issm/trunk-jpl/src/m/enum/MaterialsDamageC1Enum.m A /issm/trunk-

jpl/src/m/enum/MaterialsDamageC2Enum.m A /issm/trunk-jpl/src/m/enum/MaterialsDamageC3Enum.m

A /issm/trunk-jpl/src/m/enum/MaterialsDamageC4Enum.m A /issm/trunk-

jpl/src/m/enum/MaterialsDamageLawEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsDamageStressThresh

Export determination: 6.

Rationale: CHG: fixed wrong enums MaterialsDamagec...Enum.m

Change #23 with diff file ISSM-16158-16159.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ResetBoundaryConditions.cpp M /issm/trunk-jpl/src/c/analyses/controltao_core.cpp M /issm/trunk-jpl/src/c/analyses/dakota_core.cpp
M /issm/trunk-jpl/src/c/analyses/gia_core.cpp M /issm/trunk-jpl/src/c/analyses/stressbalance_core.cpp
M /issm/trunk-jpl/src/c/bamg/BamgQuadtree.cpp M /issm/trunk-jpl/src/c/bamg/Direction.cpp
M /issm/trunk-jpl/src/c/bamg/Geometry.cpp M /issm/trunk-jpl/src/c/bamg/ListofIntersectionTriangles.cpp
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp 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/toolkits/issm/Bucket.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h

Export determination: 6.

Rationale: CHG: cppcheck errors

Change #24 with diff file ISSM-16159-16160.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: missing int i

Change #25 with diff file ISSM-16160-16161.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/matdamageice.m

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

Export determination: 6.

Rationale: NEW: starting to implement a damage class

Change #26 with diff file ISSM-16161-16162.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test270.m M /issm/trunk-jpl/test/NightlyRun/test272.m

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

Export determination: 6.

Rationale: BUG: forgot to set flag for damage

Change #27 with diff file ISSM-16162-16163.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matdamageice
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.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/damage.m
A /issm/trunk-jpl/src/m/classes/damage.py M /issm/trunk-jpl/src/m/classes/matdamageice.m
M /issm/trunk-jpl/src/m/classes/matdamageice.py M /issm/trunk-jpl/src/m/classes/model/model.py
M /issm/trunk-jpl/src/m/dev/devpath.py A /issm/trunk-jpl/src/m/enum/DamageC1Enum.m
A /issm/trunk-jpl/src/m/enum/DamageC2Enum.m A /issm/trunk-jpl/src/m/enum/DamageC3Enum.m
A /issm/trunk-jpl/src/m/enum/DamageC4Enum.m A /issm/trunk-jpl/src/m/enum/DamageDEnum.m
A /issm/trunk-jpl/src/m/enum/DamageDbarEnum.m A /issm/trunk-jpl/src/m/enum/DamageIsdamageEnum
A /issm/trunk-jpl/src/m/enum/DamageLawEnum.m A /issm/trunk-jpl/src/m/enum/DamageStressThreshold
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/MaterialsDamageC1Enu
D /issm/trunk-jpl/src/m/enum/MaterialsDamageC2Enum.m D /issm/trunk-
jpl/src/m/enum/MaterialsDamageC3Enum.m D /issm/trunk-jpl/src/m/enum/MaterialsDamageC4Enum.m
D /issm/trunk-jpl/src/m/enum/MaterialsDamageDEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsDamag
D /issm/trunk-jpl/src/m/enum/MaterialsDamageLawEnum.m D /issm/trunk-
jpl/src/m/enum/MaterialsDamageStressThresholdEnum.m M /issm/trunk-jpl/src/m/exp/expwrite.m
M /issm/trunk-jpl/src/m/plot/applyoptions.py

Export determination: 6.

Rationale: CHG: working toward damage class implementation. As long as
md.damage.isdamage flag is set to zero, all NR should ignore damage and run
okay

Change #28 with diff file ISSM-16163-16164.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: only marshall and checkconsistency for damage fields if isdam-
age=1

Change #29 with diff file ISSM-16164-16165.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/classes/IOModel.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/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp M /issm/trunk-jpl/src/c/classes/kriging/Quadtree.
M /issm/trunk-jpl/src/c/main/kriging.cpp M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/Average
M /issm/trunk-jpl/src/c/modules/ComputeBasalStressx/ComputeBasalStressx.cpp
M /issm/trunk-jpl/src/c/modules/ComputeStrainRatex/ComputeStrainRatex.cpp
M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M
/issm/trunk-jpl/src/c/modules/ConstraintsStatex/RiftConstraintsState.cpp M
/issm/trunk-jpl/src/c/modules/ContourToMeshx/ContourToMeshxt.cpp M /issm/trunk-
jpl/src/c/modules/ContourToNodesx/ContourToNodesx.cpp M /issm/trunk-jpl/src/c/modules/CreateJacobia
M /issm/trunk-jpl/src/c/modules/GiaDeflectionCorex/GiaDeflectionCorex.cpp
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp
M /issm/trunk-jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.cpp
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/Kml2Expx/Kml2Expx.cpp M /issm/trunk-
jpl/src/c/modules/MeshProfileIntersectionx/MeshProfileIntersectionx.cpp M /issm/trunk-
jpl/src/c/modules/ModelProcessorex/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcesso
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/Stressbalance/CreateLoadsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorex/StressbalanceSIA/CreateConstraintsStressbalanceSIA.c
M /issm/trunk-jpl/src/c/modules/NodalValuex/NodalValuex.cpp M /issm/trunk-
jpl/src/c/modules/PointCloudFindNeighborsx/PointCloudFindNeighborsx.cpp
M /issm/trunk-jpl/src/c/shared/Elements/ComputeDelta18oTemperaturePrecipitation.cpp
Export determination: 6.
Rationale: CHG: cppcheck errors

Change #30 with diff file ISSM-16165-16166.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: always define NUMTHREADS_VALUE even if threading is disabled (default value is 1 anyway)

Change #31 with diff file ISSM-16166-16167.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Geometry.cpp M /issm/trunk-jpl/src/c/bamg/Mesh.cpp

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

M /issm/trunk-jpl/src/c/classes/kriging/Quadtree.cpp M /issm/trunk-jpl/src/c/modules/ContourToMeshx/C

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

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

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorex

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

Export determination: 6.

Rationale: CHG: cppcheck errors

Change #32 with diff file ISSM-16167-16168.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/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp
D /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.cpp D /issm/trunk-jpl/src/c/classes/Materials/Matdamageice.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/classes.h
M /issm/trunk-jpl/src/c/modules/GradJx/GradJx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorX/ModelProcessorX.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorX/Stressbalance/UpdateElementsStressbalance.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStress.h
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/damage.m
M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/inversion.py
D /issm/trunk-jpl/src/m/classes/matdamageice.m D /issm/trunk-jpl/src/m/classes/matdamageice.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/MatdamageiceEnum.m
D /issm/trunk-jpl/src/m/enum/MaterialsRheologyZEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsRheologyZEnum.py
M /issm/trunk-jpl/test/NightlyRun/test213.m M /issm/trunk-jpl/test/NightlyRun/test270.m
M /issm/trunk-jpl/test/NightlyRun/test270.py M /issm/trunk-jpl/test/NightlyRun/test272.m
M /issm/trunk-jpl/test/NightlyRun/test272.py M /issm/trunk-jpl/test/NightlyRun/test274.m
M /issm/trunk-jpl/test/NightlyRun/test274.py 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/ISMIPF.par
M /issm/trunk-jpl/test/Par/ISMIPF.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/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: switched off Matdamageice. Damage D and rheology B are now equally treated in the material Matrice. Adjusted all control methods and

parameter files accordingly.

Change #33 with diff file ISSM-16168-16169.diff:

Function name:

M /issm/trunk-jpl/examples/Jakobshavn/Jks.par M /issm/trunk-jpl/examples/SquareIceShelf/Square.par

Export determination: 6.

Rationale: CHG: fixed tutorials

Change #34 with diff file ISSM-16169-16170.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed I am here

Change #35 with diff file ISSM-16170-16171.diff:

Function name:

M /issm/trunk-jpl/test/Par/79North.py M /issm/trunk-jpl/test/Par/ISMIPA.py

M /issm/trunk-jpl/test/Par/ISMIPB.py M /issm/trunk-jpl/test/Par/ISMIPC.py

M /issm/trunk-jpl/test/Par/ISMIPD.py M /issm/trunk-jpl/test/Par/SMIPE.py

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

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

M /issm/trunk-jpl/test/Par/RoundSheetStaticEISMINT.py M /issm/trunk-jpl/test/Par/SquareEISMINT.py

M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py M /issm/trunk-jpl/test/Par/SquareSheetShelf.py

M /issm/trunk-jpl/test/Par/SquareShelf.py M /issm/trunk-jpl/test/Par/SquareShelf2.py

M /issm/trunk-jpl/test/Par/SquareShelfConstrained.py M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: BUG: numpy handle needed to call zeros function. Also cleaned up the import Archive Forms ocreview.sh TEMP Template commands since we're almost always only importing a single function within a module of the same name.

Change #36 with diff file ISSM-16171-16172.diff:

Function name:

M /issm/trunk-jpl/test/Par/79North.py M /issm/trunk-jpl/test/Par/Pig.py M

/issm/trunk-jpl/test/Par/SquareSheetShelf.py M /issm/trunk-jpl/test/Par/SquareShelf.py

M /issm/trunk-jpl/test/Par/SquareShelf2.py
Export determination: 6.
Rationale: BUG: missed some numpy handles for function calls

Change #37 with diff file ISSM-16172-16173.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnvironmentInit.cpp A /issm/trunk-jpl/src/m/dev/issmversion.m

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

Export determination: 6.

Rationale: NEW: added issmversion to display current version

Change #38 with diff file ISSM-16173-16174.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added issmversion to display current version

Change #39 with diff file ISSM-16174-16175.diff:

Function name:

D /issm/trunk-jpl/config.sub

Export determination: 6.

Rationale: DEL: not needed

Change #40 with diff file ISSM-16175-16176.diff:

Function name:

D /issm/trunk-jpl/config.guess

Export determination: 6.

Rationale: DEL: not needed

Change #41 with diff file ISSM-16176-16177.diff:

Function name:

A /issm/trunk-jpl/src/m/dev/issmversion.py

Export determination: 6.

Rationale: NEW: added issmversion.py

Change #42 with diff file ISSM-16177-16178.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp

Export determination: 6.

Rationale: CHG: safer to convert string to char*

Change #43 with diff file ISSM-16178-16179.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: marshall D in damage class

Change #44 with diff file ISSM-16179-16180.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: class does not need to be passed to WriteData unless the class name is different

Change #45 with diff file ISSM-16180-16181.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: wrong function name in verbose import

Change #46 with diff file ISSM-16181-16182.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/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/damage_core.cpp 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 A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/.dirstamp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateConstraintsDamage.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateConstraintsMasstransport.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateLoadsDamage.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateLoadsMasstransport.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateNodesDamage.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateNodesMasstransport.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/CreateParametersDamage.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/UpdateElementsDamage.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/UpdateElementsMasstransport.Plo A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateConstraintsDamage.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateConstraintsMasstransport.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateLoadsDamage.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateLoadsMasstransport.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateNodesDamage.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateNodesMasstransport.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateParametersDamage.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-UpdateElementsDamage.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-UpdateElementsMasstransport.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateConstraintsDamage.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateConstraintsMasstransport.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateLoadsDamage.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateLoadsMasstransport.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateNodesDamage.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateNodesMasstransport.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-CreateParametersDamage.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-UpdateElementsDamage.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.deps/libISSMCore.a-UpdateElementsMasstransport.r2cpp.Po A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.dirstamp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/CreateConstraintsDamage.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/CreateLoadsDamage.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/CreateNodesDamage.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/CreateParametersDamage.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/UpdateElementsDamage.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.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 M /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/transient.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m A /issm/trunk-jpl/src/m/enum/DamageEvolutionAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/DamageEvolutionSolutionEnum.m A /issm/trunk-jpl/src/m/enum/DamageHealingEnum.m D /issm/trunk-jpl/src/m/enum/DamageIsdamageEnum.m A /issm/trunk-jpl/src/m/enum/DamageSpecdamageEnum.m A /issm/trunk-jpl/src/m/enum/DamageStabilizationEnum.m M /issm/trunk-

jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/QmuDamageDEnum.m
A /issm/trunk-jpl/src/m/enum/TransientIsdamageEnum.m M /issm/trunk-jpl/src/m/solve/process_solve_opti
M /issm/trunk-jpl/test/NightlyRun/IdToName.m A /issm/trunk-jpl/test/NightlyRun/test271.m
Export determination: 6.
Rationale: NEW: hooked up damage core into ISSM, created 271 solution to
start running it. More remains to be done inside the damage_core to hook up
to the Element Tria CreateKMatrix and CreatePVector.

Change #47 with diff file ISSM-16182-16183.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/UpdateCounters.cpp D /issm/trunk-
jpl/src/wrappers/ContourToMesh/.deps D /issm/trunk-jpl/src/wrappers/ContourToMesh/.dirstamp
D /issm/trunk-jpl/src/wrappers/ContourToNodes/.dirstamp

Export determination: 6.

Rationale: CHG: removing some autotools files that should not be under svn

Change #48 with diff file ISSM-16183-16184.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage D /issm/trunk-jpl/src/c/modules/ModelProcess
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage/.dirstamp

Export determination: 6.

Rationale: CHG: getting svn to ignore .deps and .dirstamp files

Change #49 with diff file ISSM-16184-16185.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: InputCreate should not cast DoubleInput to int

Change #50 with diff file ISSM-16185-16186.diff:

Function name:

M /issm/trunk-jpl/src/m/os/issmstssh.m M /issm/trunk-jpl/src/m/os/starcluster.m

Export determination: 6.

Rationale: BUG: fix location of CloudComputing

Change #51 with diff file ISSM-16186-16187.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/IoModel.cpp

Export determination: 6.

Rationale: CHG: removed InputCreate which was doing the same thing as InputUpdateFromConstant

Change #52 with diff file ISSM-16187-16188.diff:

Function name:

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 /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

Export determination: 6.

Rationale: CHG: forgot to set damage spcs

Change #53 with diff file ISSM-16188-16189.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.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/modules/ConstraintsStatex/Const

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

/issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.h A /issm/trunk-

jpl/src/c/modules/ConstraintsStatex/DamageConstraintsState.cpp A /issm/trunk-

jpl/src/c/modules/ConstraintsStatex/PengridIsPresent.cpp D /issm/trunk-jpl/src/c/modules/ConstraintsStat

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

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

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

A /issm/trunk-jpl/src/c/modules/ResetConstraintsx/DamageConstraintsReset.cpp

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/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp A /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.h M /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/thermal.m A /issm/trunk-jpl/src/m/enum/DamageMaxDamageEnum.m A /issm/trunk-jpl/src/m/enum/DamageMaxiterEnum.m A /issm/trunk-jpl/src/m/enum/DamagePenaltyFactorEnum.m A /issm/trunk-jpl/src/m/enum/DamagePenaltyLockEnum.m A /issm/trunk-jpl/src/m/enum/DamagePenaltyThresholdEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/test/NightlyRun/test271.m
Export determination: 6.
Rationale: CHG: finished putting together damage evolution framework. Need validation, verification.

Change #54 with diff file ISSM-16189-16190.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive271.nc M /issm/trunk-jpl/test/NightlyRun/test271.m

Export determination: 6.

Rationale: CHG: activating test 271

Change #55 with diff file ISSM-16190-16191.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: forgot to include spcdamage in extrude function

Change #56 with diff file ISSM-16191-16192.diff:

Function name:

A /issm/trunk-jpl/src/m/solvers/issmgslsolver.m A /issm/trunk-jpl/src/m/solvers/issmgslsolver.py

A /issm/trunk-jpl/src/m/solvers/issmmumpsolver.m (from /issm/trunk-jpl/src/m/solvers/issmsolver.m:16190)

A /issm/trunk-jpl/src/m/solvers/issmmumpsolver.py (from /issm/trunk-jpl/src/m/solvers/issmsolver.py:16190)

D /issm/trunk-jpl/src/m/solvers/issmsolver.m D /issm/trunk-jpl/src/m/solvers/issmsolver.py

Export determination: 6.

Rationale: CHG: adding gsl and mumps issm solvers

Change #57 with diff file ISSM-16192-16193.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/m/classes/toolkits.m
M /issm/trunk-jpl/src/m/classes/toolkits.py M /issm/trunk-jpl/src/wrappers/IssmConfig/IssmConfig.cpp
M /issm/trunk-jpl/test/NightlyRun/test3001.m M /issm/trunk-jpl/test/NightlyRun/test3001.py
M /issm/trunk-jpl/test/NightlyRun/test3002.m M /issm/trunk-jpl/test/NightlyRun/test3002.py
M /issm/trunk-jpl/test/NightlyRun/test3003.m M /issm/trunk-jpl/test/NightlyRun/test3003.py
M /issm/trunk-jpl/test/NightlyRun/test3004.m M /issm/trunk-jpl/test/NightlyRun/test3004.py
M /issm/trunk-jpl/test/NightlyRun/test3005.m M /issm/trunk-jpl/test/NightlyRun/test3005.py
M /issm/trunk-jpl/test/NightlyRun/test3006.m M /issm/trunk-jpl/test/NightlyRun/test3006.py
M /issm/trunk-jpl/test/NightlyRun/test3007.m M /issm/trunk-jpl/test/NightlyRun/test3007.py
M /issm/trunk-jpl/test/NightlyRun/test3008.m M /issm/trunk-jpl/test/NightlyRun/test3008.py
M /issm/trunk-jpl/test/NightlyRun/test3009.m M /issm/trunk-jpl/test/NightlyRun/test3009.py
M /issm/trunk-jpl/test/NightlyRun/test3010.m M /issm/trunk-jpl/test/NightlyRun/test3010.py
M /issm/trunk-jpl/test/NightlyRun/test3015.m M /issm/trunk-jpl/test/NightlyRun/test3015.py
M /issm/trunk-jpl/test/NightlyRun/test3019.m M /issm/trunk-jpl/test/NightlyRun/test3019.py
Export determination: 6.
Rationale: CHG: adjusted adolc tests to work only with gsl. Also added
_HAVE_GSL_ as config flag detectable by IssmConfig wrapper. Finally, cre-
ated some new src/m/solvers to setup issm mumps and gsl solvers.

Change #58 with diff file ISSM-16193-16194.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3020.m M /issm/trunk-jpl/test/NightlyRun/test3020.py
Export determination: 6.

Rationale: CHG: fixed issue with solver used for test 3019 and 3020

Change #59 with diff file ISSM-16194-16195.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/runme.m M /issm/trunk-jpl/test/NightlyRun/runme.py
A /issm/trunk-jpl/test/NightlyRun/test3101.m A /issm/trunk-jpl/test/NightlyRun/test3101.py
A /issm/trunk-jpl/test/NightlyRun/test3102.m A /issm/trunk-jpl/test/NightlyRun/test3102.py
A /issm/trunk-jpl/test/NightlyRun/test3103.m A /issm/trunk-jpl/test/NightlyRun/test3103.py
A /issm/trunk-jpl/test/NightlyRun/test3104.m A /issm/trunk-jpl/test/NightlyRun/test3104.py
A /issm/trunk-jpl/test/NightlyRun/test3105.m A /issm/trunk-jpl/test/NightlyRun/test3105.py
A /issm/trunk-jpl/test/NightlyRun/test3106.m A /issm/trunk-jpl/test/NightlyRun/test3106.py
A /issm/trunk-jpl/test/NightlyRun/test3107.m A /issm/trunk-jpl/test/NightlyRun/test3107.py
A /issm/trunk-jpl/test/NightlyRun/test3108.m A /issm/trunk-jpl/test/NightlyRun/test3108.py
A /issm/trunk-jpl/test/NightlyRun/test3109.m A /issm/trunk-jpl/test/NightlyRun/test3109.py
A /issm/trunk-jpl/test/NightlyRun/test3110.m A /issm/trunk-jpl/test/NightlyRun/test3110.py
A /issm/trunk-jpl/test/NightlyRun/test3115.m A /issm/trunk-jpl/test/NightlyRun/test3115.py

A /issm/trunk-jpl/test/NightlyRun/test3119.m A /issm/trunk-jpl/test/NightlyRun/test3119.py
A /issm/trunk-jpl/test/NightlyRun/test3120.m A /issm/trunk-jpl/test/NightlyRun/test3120.py
Export determination: 6.
Rationale: NEW: added new adolc tests, using the mumps solver.

Change #60 with diff file ISSM-16195-16196.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test3019.m M /issm/trunk-jpl/test/NightlyRun/testad.m

Export determination: 6.

Rationale: CHG: unhooking ampi tests

Change #61 with diff file ISSM-16196-16197.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3019.m

Export determination: 6.

Rationale: CHG: reverting

Change #62 with diff file ISSM-16197-16198.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: temporary fix, all penalty models use the same modules, which will be renamed later today

Change #63 with diff file ISSM-16198-16199.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: merged matlab changes to python for damage model

Change #64 with diff file ISSM-16199-16200.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: augmenting range of adolc runs

Change #65 with diff file ISSM-16200-16201.diff:

Function name:

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

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

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

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

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

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

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

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

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

/issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateLoadsStressbalance.cpp

Export determination: 6.

Rationale: CHG: cpperrors and simplifying COnstraintState (to be continued)

Change #66 with diff file ISSM-16201-16202.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed serious bug

Change #67 with diff file ISSM-16202-16203.diff:

Function name:

D /issm/trunk-jpl/test/NightlyRun/test3115.m D /issm/trunk-jpl/test/NightlyRun/test3115.py

M /issm/trunk-jpl/test/NightlyRun/test3119.m M /issm/trunk-jpl/test/NightlyRun/test3119.py

D /issm/trunk-jpl/test/NightlyRun/test3120.m D /issm/trunk-jpl/test/NightlyRun/test3120.py

Export determination: 6.

Rationale: CHG: took out tests that depend on fos_forward driver

Change #68 with diff file ISSM-16203-16204.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive3101.nc A /issm/trunk-jpl/test/Archives/Archive3102.nc
A /issm/trunk-jpl/test/Archives/Archive3103.nc A /issm/trunk-jpl/test/Archives/Archive3104.nc
A /issm/trunk-jpl/test/Archives/Archive3105.nc A /issm/trunk-jpl/test/Archives/Archive3106.nc
A /issm/trunk-jpl/test/Archives/Archive3107.nc A /issm/trunk-jpl/test/Archives/Archive3108.nc
A /issm/trunk-jpl/test/Archives/Archive3109.nc A /issm/trunk-jpl/test/Archives/Archive3110.nc
A /issm/trunk-jpl/test/Archives/Archive3119.nc

Export determination: 6.

Rationale: CHG: arhcives to adolc ampi tests

Change #69 with diff file ISSM-16204-16205.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adjoinablempi

Export determination: 6.

Rationale: CHG: get svn to ignore some files.

Change #70 with diff file ISSM-16205-16206.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3101.nc M /issm/trunk-jpl/test/Archives/Archive3102.nc
M /issm/trunk-jpl/test/Archives/Archive3103.nc M /issm/trunk-jpl/test/Archives/Archive3104.nc
M /issm/trunk-jpl/test/Archives/Archive3105.nc M /issm/trunk-jpl/test/Archives/Archive3106.nc
M /issm/trunk-jpl/test/Archives/Archive3107.nc M /issm/trunk-jpl/test/Archives/Archive3108.nc
M /issm/trunk-jpl/test/Archives/Archive3109.nc M /issm/trunk-jpl/test/Archives/Archive3110.nc
M /issm/trunk-jpl/test/Archives/Archive3119.nc

Export determination: 6.

Rationale: CHG: new archives for ad ampi tests

Change #71 with diff file ISSM-16206-16207.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStateLocal.h M

/issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStatex.h D /issm/trunk-

jpl/src/c/modules/ConstraintsStatex/DamageConstraintsState.cpp D /issm/trunk-

jpl/src/c/modules/ConstraintsStatex/PengridIsPresent.cpp D /issm/trunk-jpl/src/c/modules/ConstraintsStat

D /issm/trunk-jpl/src/c/modules/ResetConstraintsx/DamageConstraintsReset.cpp

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

/issm/trunk-jpl/src/c/modules/ResetConstraintsx/ResetConstraintsx.h D /issm/trunk-

jpl/src/c/modules/ResetConstraintsx/ThermalConstraintsReset.cpp

Export determination: 6.
Rationale: CHG: simplifying ConstraintState modules

Change #72 with diff file ISSM-16207-16208.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing tests 423 and 433

Change #73 with diff file ISSM-16208-16209.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/IoModel.cpp

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

Export determination: 6.

Rationale: CHG: simplifying InputCreate

Change #74 with diff file ISSM-16209-16210.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: defaulting in InputCreate is now explicit, to avoid default 0.
values if not found

Change #75 with diff file ISSM-16210-16211.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/UpdateElementsStressbalanceVerti

Export determination: 6.

Rationale: BUG: HydrostaticRation is only required for Qmu analysis

Change #76 with diff file ISSM-16211-16212.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dak

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/Masstransport/UpdateElementsMasstransport.cpp

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

Export determination: 6.

Rationale: CHG: bathymetry only required in transients of isgrounding line.

Meltrate correction defaults is 0

Change #77 with diff file ISSM-16212-16213.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: temporary fix for inversions

Change #78 with diff file ISSM-16213-16214.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: typo in print statement

Change #79 with diff file ISSM-16214-16215.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: rather than use penalties, enforce limits on damage in InputUpdateFromSolutionDamageEvolution. As a result, the damage_core only needs to call solutionsequence_linear

Change #80 with diff file ISSM-16215-16216.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp 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/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Mass
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.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
Export determination: 6.
Rationale: CHG: reorg of qmu variables

Change #81 with diff file ISSM-16216-16217.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add qmu for levelset

Change #82 with diff file ISSM-16217-16218.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: BUG: or is — in C

Change #83 with diff file ISSM-16218-16219.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/stressbalance_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/Tria.cpp
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/ModelProcessorx/CreateFaces.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/Masstransport/UpdateElementsMasstransport.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/UpdateElementsStressbalance.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/UpdateElementsStressbalanceVerti
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal/UpdateElementsThermal.cpp

M /issm/trunk-jpl/src/c/modules/Scotchx/Scotchx.cpp M /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtil.h
M /issm/trunk-jpl/src/m/classes/damage.m
Export determination: 6.
Rationale: CHG: cleaning up updateelements

Change #84 with diff file ISSM-16219-16220.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/enthalpy_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/stressbalance_core.cpp
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/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/InputDuplicatex/InputDuplicatex.h
M /issm/trunk-jpl/src/c/modules/InputDuplicatex/InputDuplicatex.h

Export determination: 6.

Rationale: CHG: simplifying InputDuplicatex prototype

Change #85 with diff file ISSM-16220-16221.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Exceptions/Exceptions.cpp

Export determination: 6.

Rationale: CHG include needed for sprintf

Change #86 with diff file ISSM-16221-16222.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: fixed memory leak in DamageEvolution

Change #87 with diff file ISSM-16222-16223.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: memory leak

Change #88 with diff file ISSM-16223-16224.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/ModelProcessox/StressbalanceVertical/UpdateElementsStressbalanceVerti

Export determination: 6.

Rationale: CHG: added defaults for vx and vy

Change #89 with diff file ISSM-16224-16225.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1502.m

Export determination: 6.

Rationale: BUG: metis seg faults when there are too few elements to partition

Change #90 with diff file ISSM-16225-16226.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test215.m M /issm/trunk-jpl/test/NightlyRun/test215.py

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

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

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #91 with diff file ISSM-16226-16227.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not compile Scotchx and Chacox if not present

Change #92 with diff file ISSM-16227-16228.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed typo

Change #93 with diff file ISSM-16228-16229.diff:

Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp M /issm/trunk-jpl/src/c/bamg/Mesh.h
M /issm/trunk-jpl/src/c/bamg/SetOfE4.cpp M /issm/trunk-jpl/src/c/bamg/SetOfE4.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/Node.cpp M /issm/trunk-jpl/src/c/classes/Node.h
M /issm/trunk-jpl/src/c/classes/matrix/ElementMatrix.cpp M /issm/trunk-jpl/src/c/classes/matrix/ElementMatrix.h
M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateDataSets.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/Stressbalance/UpdateElementsStressbalance.cpp
M /issm/trunk-jpl/src/c/shared/Exceptions/exceptions.h D /issm/trunk-jpl/src/c/shared/Exceptions/exprintf.h
D /issm/trunk-jpl/src/c/toolkits/petsc/patches/VecDuplicatePatch.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h

Export determination: 6.

Rationale: DEL: removed some legacy code

Change #94 with diff file ISSM-16229-16230.diff:

Function name:

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

Export determination: 6.

Rationale: CHG revert for this file only the change done with 16201 - as discussed with Eric - it is likely inappropriate to use the counts of independents and dependents to control the logic when e.g. in IoModel.cpp there is this: `FetchData(&autodiff,AutodiffIsautodiffEnum); if(autodiff)` etc, Also, removing the guard right now causes the logic to fail for the parallel adjoint because in fact only on rank 0 have explicit dependent and independent designation been made and that needs to be reflected exactly on the falls to the Adol-C tape interpreters. Without the guard these interpreters complain (legitimatly) like this: ADOL-C error: Reverse sweep on tape 2 aborted! Number of dependents(1) and/or independents(91) variables passed to reverse is inconsistent with number recorded on tape(0/0)! ADOL-C error: Reverse sweep on tape 1 aborted! Number of dependents(1) and/or independents(91) variables passed to reverse is inconsistent with number recorded on tape(0/0)!

Change #95 with diff file ISSM-16230-16231.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/matlab/include/wrapper_macros.h M /issm/trunk-jpl/src/wrappers/python/include/wrapper_macros.h

Export determination: 6.

Rationale: CHG: no need to call expprintf

Change #96 with diff file ISSM-16231-16232.diff:

Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/bamg/Curve.cpp M /issm/trunk-jpl/src/c/bamg/Curve.h
M /issm/trunk-jpl/src/c/bamg/GeomEdge.cpp M /issm/trunk-jpl/src/c/bamg/GeomEdge.h
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp M /issm/trunk-jpl/src/c/bamg/Mesh.h
M /issm/trunk-jpl/src/c/bamg/Triangle.cpp M /issm/trunk-jpl/src/c/bamg/Triangle.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/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h
M /issm/trunk-jpl/src/c/modules/ConstraintsStatex/ConstraintsStateLocal.h M
/issm/trunk-jpl/src/c/modules/ConstraintsStatex/RiftConstraintsState.cpp M
/issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp M /issm/trunk-jpl/src/c/shared/TriMesh/trimesh.h
D /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscMatrixToDoubleMatrix.cpp
D /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscVectorToDoubleVector.cpp
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h

Export determination: 6.

Rationale: DEL: removed legacy code

Change #97 with diff file ISSM-16232-16233.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/AdjacentTriangle.cpp M /issm/trunk-jpl/src/c/bamg/AdjacentTriangle.h
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h
D /issm/trunk-jpl/src/c/modules/OutputRiftsx

Export determination: 6.

Rationale: DEL: removed legacy code

Change #98 with diff file ISSM-16233-16234.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/AdjacentTriangle.cpp M /issm/trunk-jpl/src/c/bamg/AdjacentTriangle.h
M /issm/trunk-jpl/src/c/bamg/BamgQuadtree.cpp M /issm/trunk-jpl/src/c/bamg/BamgQuadtree.h
M /issm/trunk-jpl/src/c/bamg/EigenMetric.cpp M /issm/trunk-jpl/src/c/bamg/ListofIntersectionTriangles.cpp
M /issm/trunk-jpl/src/c/bamg/ListofIntersectionTriangles.h M /issm/trunk-jpl/src/c/bamg/Metric.h
M /issm/trunk-jpl/src/c/bamg/Triangle.cpp M /issm/trunk-jpl/src/c/bamg/Triangle.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/Hook.cpp M /issm/trunk-jpl/src/c/classes/Hook.h
M /issm/trunk-jpl/src/c/classes/Materials/Material.h M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp

Change #100 with diff file ISSM-16235-16236.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/c/shared/Exp/exp.h

Export determination: 6.

Rationale: DEL: removing old enums

Change #101 with diff file ISSM-16236-16237.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added default for hydrostaticratio

Change #102 with diff file ISSM-16237-16238.diff:

Function name:

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

M /issm/trunk-jpl/src/c/bamg/EigenMetric.cpp M /issm/trunk-jpl/src/c/bamg/Geometry.cpp

M /issm/trunk-jpl/src/c/bamg/Geometry.h M /issm/trunk-jpl/src/c/bamg/Mesh.cpp

M /issm/trunk-jpl/src/c/bamg/Metric.h M /issm/trunk-jpl/src/c/bamg/Triangle.cpp

M /issm/trunk-jpl/src/c/bamg/Triangle.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp

M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h D /issm/trunk-jpl/src/c/modules/InputArtificialNoisex

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

Export determination: 6.

Rationale: DEL: removed unsued code

Change #103 with diff file ISSM-16238-16239.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/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.h 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.h

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

M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h
Export determination: 6.
Rationale: DEL: removed unused code

Change #104 with diff file ISSM-16239-16240.diff:
Function name:
M /issm/trunk-jpl/scripts/cppcheck.sh
Export determination: 6.
Rationale: CHG: updated cppcheck script

Change #105 with diff file ISSM-16240-16241.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.o
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateParametersStressbalance.cpp
Export determination: 6.
Rationale: CHG: moving stressbalance specific parameters to CreateParametersStressbalance.cpp

Change #106 with diff file ISSM-16241-16242.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive1601.nc M /issm/trunk-jpl/test/Archives/Archive1602.nc
Export determination: 6.
Rationale: CHG: updated archive now that there is a slope in the x direction

Change #107 with diff file ISSM-16242-16243.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/ad_core.cpp
Export determination: 6.
Rationale: CHG fixing check + verbosing tape statistics

Change #108 with diff file ISSM-16243-16244.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.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/autodiff.m

M /issm/trunk-jpl/src/m/classes/autodiff.py A /issm/trunk-jpl/src/m/enum/AutodiffCbufsizeEnum.m

A /issm/trunk-jpl/src/m/enum/AutodiffLbufsizeEnum.m A /issm/trunk-jpl/src/m/enum/AutodiffObufsizeEn

A /issm/trunk-jpl/src/m/enum/AutodiffTbufsizeEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.p

Export determination: 6.

Rationale: NEW: adding 4 buffer fields to autodiff capability.

Change #109 with diff file ISSM-16244-16245.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: isautodiff field needed in class autodiff

Change #110 with diff file ISSM-16245-16246.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed isautodiff bad indentation

Change #111 with diff file ISSM-16246-16247.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added conversion from taoinversion to inversion

Change #112 with diff file ISSM-16247-16248.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: display last option before inconsistency

Change #113 with diff file ISSM-16248-16249.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/control_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Contr

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 gradient_only option, use nsteps=0 instead

Change #114 with diff file ISSM-16249-16250.diff:

Function name:

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

jpl/src/m/enum/ThermalIsdynamicbasalspcEnum.m

Export determination: 6.

Rationale: CHG: removed gradient_only option, use nsteps=0 instead

Change #115 with diff file ISSM-16250-16251.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gslib/pkriging.m

Export determination: 6.

Rationale: CHG: fixed pkriging for new marshalles enums

Change #116 with diff file ISSM-16251-16252.diff:

Function name:

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

Export determination: 6.

Rationale: CHG hook call to experiment with controlling the location memory management

Change #117 with diff file ISSM-16252-16253.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.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/autodiff.m

M /issm/trunk-jpl/src/m/classes/autodiff.py A /issm/trunk-jpl/src/m/enum/AutodiffGcTriggerMaxSizeEnum
A /issm/trunk-jpl/src/m/enum/AutodiffGcTriggerRatioEnum.m M /issm/trunk-
jpl/src/m/enum/EnumDefinitions.py
Export determination: 6.
Rationale: CHG: added new parameters for garbage collection in autodiff mode

Change #118 with diff file ISSM-16253-16254.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/m/classes/autodiff.m

Export determination: 6.

Rationale: CHG: fixed bug that was precluding default parameter setting in the
autodiff class

Change #119 with diff file ISSM-16254-16255.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed bug that was breaking the ad runs.

Change #120 with diff file ISSM-16255-16256.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: protecting thermal code in PostProcessingEnthalpyx

Change #121 with diff file ISSM-16256-16257.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: protecting mass transport code for autodiff mode.

Change #122 with diff file ISSM-16257-16258.diff:

Function name:

D /issm/trunk-jpl/src/m/exp/Shp2Exp.m A /issm/trunk-jpl/src/m/shp A /issm/trunk-jpl/src/m/shp/Shp2Exp.m (from /issm/trunk-jpl/src/m/exp/Shp2Exp.m:16256)

A /issm/trunk-jpl/src/m/shp/shpdisp.m A /issm/trunk-jpl/src/m/shp/shpread.m

Export determination: 6.

Rationale: CHG: creating shp equivalent capabilities

Change #123 with diff file ISSM-16258-16259.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/bamg.m M /issm/trunk-jpl/src/m/shp/shpread.m

Export determination: 6.

Rationale: CHG: modified bamg to accept shape files

Change #124 with diff file ISSM-16259-16260.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp

Export determination: 6.

Rationale: CHG: don't verbose by default

Change #125 with diff file ISSM-16260-16261.diff:

Function name:

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

Export determination: 6.

Rationale: CHG fix up the stats output

Change #126 with diff file ISSM-16261-16262.diff:

Function name:

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

Export determination: 6.

Rationale: CHG formatting

Change #127 with diff file ISSM-16262-16263.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/ad_core.cpp
Export determination: 6.
Rationale: CHG this produces acceptable output

Change #128 with diff file ISSM-16263-16264.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG set buffer sizes

Change #129 with diff file ISSM-16264-16265.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/autodiff.m
Export determination: 6.
Rationale: CHG adolc defaults/checks

Change #130 with diff file ISSM-16265-16266.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: file cleanup

Change #131 with diff file ISSM-16266-16267.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/ad_core.cpp
Export determination: 6.
Rationale: CHG partition is not even - we better show the info collected from all ranks

Change #132 with diff file ISSM-16267-16268.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/ad_core.cpp
Export determination: 6.

Rationale: CHG make the stats output compact

Change #133 with diff file ISSM-16268-16269.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: transferring changes from the matlab class to the python class

Change #134 with diff file ISSM-16269-16270.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added hook up to use shape file

Change #135 with diff file ISSM-16270-16271.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-pleiades-mpi.sh A /issm/trunk-jpl/externalpackages/adjoinablempi/pleiades.sh A /issm/trunk-jpl/externalpackages/adolc/install-withmpi-pleiades.sh

Export determination: 6.

Rationale: NEW: configuration for mpi adolc runs on pleiades.

Change #136 with diff file ISSM-16271-16272.diff:

Function name:

A /issm/trunk-jpl/src/m/materials/arrhenius.m

Export determination: 6.

Rationale: NEW: arrhenius.m allows to figure out the ice rigidity for given temperature, waterfraction and pressure

Change #137 with diff file ISSM-16272-16273.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 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreatePara
M /issm/trunk-jpl/src/c/modules/PostprocessingEnthalpyx/PostprocessingEnthalpyx.cpp
Export determination: 6.
Rationale: CHG: changed Penta::UpdateThermalBasalConstraints to Penta::UpdateBasalConstraintsEnthalpy
and added ThermalIsdynamicbasalspcEnum

Change #138 with diff file ISSM-16273-16274.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: python should also marshall ThermalIsdynamicbasalspc

Change #139 with diff file ISSM-16274-16275.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: python should also marshall ThermalIsdynamicbasalspc

Change #140 with diff file ISSM-16275-16276.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/FemModel.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

Export determination: 6.

Rationale: NEW: added VolumeAboveFloatation calculation

Change #141 with diff file ISSM-16276-16277.diff:

Function name:

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

Export determination: 6.

Rationale: added volume above floatation

Change #142 with diff file ISSM-16277-16278.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed hack

Change #143 with diff file ISSM-16278-16279.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive122.nc M /issm/trunk-jpl/test/Archives/Archive327.nc

Export determination: 6.

Rationale: Update archives 122 and 327

Change #144 with diff file ISSM-16279-16280.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/meshconvert.m

Export determination: 6.

Rationale: CHG: issue with order of varargin

Change #145 with diff file ISSM-16280-16281.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp

Export determination: 6.

Rationale: CHG: added comment

Change #146 with diff file ISSM-16281-16282.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/meshconvert.m M /issm/trunk-jpl/src/m/mesh/meshconvert.py

Export determination: 6.

Rationale: CHG: updated pythonb script

Change #147 with diff file ISSM-16282-16283.diff:

Function name:

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

jpl/src/c/modules/InterpFromGridToMeshx/InterpFromGridToMeshx.cpp
Export determination: 6.
Rationale: CHG: fixing compilation warnings

Change #148 with diff file ISSM-16283-16284.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive327.nc
Export determination: 6.
Rationale: CHG: updating archive on larsen directly

Change #149 with diff file ISSM-16284-16285.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/meshconvert.py
Export determination: 6.
Rationale: BUG: typo

Change #150 with diff file ISSM-16285-16286.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG: added ivy cluster

Change #151 with diff file ISSM-16286-16287.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
Export determination: 6.
Rationale: CHG: syncing syntax highlighting

Change #152 with diff file ISSM-16287-16288.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/mesh2d.m A /issm/trunk-jpl/src/m/classes/mesh2d.py
D /issm/trunk-jpl/src/m/classes/model A /issm/trunk-jpl/src/m/classes/model.m
(from /issm/trunk-jpl/src/m/classes/model/model.m:16222) A /issm/trunk-jpl/src/m/classes/model.py

(from /issm/trunk-jpl/src/m/classes/model/model.py:16222) D /issm/trunk-jpl/src/m/classes/planetmesh.m
A /issm/trunk-jpl/src/m/classes/spheremesh.m (from /issm/trunk-jpl/src/m/classes/planetmesh.m:16222)
Export determination: 6.
Rationale: CHG: starting new mesh class and removed planet since it is a model
with a sphere mesh class

Change #153 with diff file ISSM-16288-16289.diff:

Function name:

M /issm/trunk-jpl/src/m/Makefile.am

Export determination: 6.

Rationale: BUG: removed src/m/classes/model

Change #154 with diff file ISSM-16289-16290.diff:

Function name:

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

M /issm/trunk-jpl/src/c/shared/String/sharedstring.h D /issm/trunk-jpl/src/c/shared/String/stricmp.cpp

Export determination: 6.

Rationale: DEL: removing strcmpi not needed anymore

Change #155 with diff file ISSM-16290-16291.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancethickness/CreateNodesBalancethickness.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/FreeSurfaceBase/CreateNodesFreeSurfaceBase.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop/CreateNodesFreeSurfaceTop.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/Masstransport/CreateNodesMasstransport.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting/CreateNodesMelting.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: no need to have Flowequations in there

Change #156 with diff file ISSM-16291-16292.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/control_core.cpp M /issm/trunk-jpl/src/c/analyses/stressbalance_core.cpp
M /issm/trunk-jpl/src/c/analyses/transient_core.cpp 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/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/modules/IoModelToConstraintsx/IoModelToConstraintsx.cpp
M /issm/trunk-jpl/src/c/modules/MeshPartitionx/MeshPartitionx.h 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/Balancevelocity/CreateNodesBalancevelocity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity/UpdateElementsBalancevelocity.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/CreateEdges.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateFaces.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNumberNodeToElementConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateSingleNodeToElementConnectivity.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/EdgesPartitioning.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/FacesPartitioning.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/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.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/Masstransport/CreateNodesMasstransport.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Masstransport/UpdateElementsMasstransport.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/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/NodesPartitioning.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/StressbalanceVertical/CreateConstraintsStressbalanceVertical.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateNodesStressbalanceVertical.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/UpdateElementsStressbalanceVertical.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/CreateConstraintsThermal.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/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 mesh dimension and replaced by meshtype (I know...
type is not good but I could not come up with anything better), prepare changes
for flowband model

Change #157 with diff file ISSM-16292-16293.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed mesh dimension and replaced by meshtype (I know...
type is not good but I could not come up with anything better), prepare changes
for flowband model

Change #158 with diff file ISSM-16293-16294.diff:

Function name:

M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/Mesh2DhorizontalEnum

A /issm/trunk-jpl/src/m/enum/Mesh2DverticalEnum.m A /issm/trunk-jpl/src/m/enum/Mesh3DEnum.m

D /issm/trunk-jpl/src/m/enum/MeshDimensionEnum.m A /issm/trunk-jpl/src/m/enum/MeshTypeEnum.m

Export determination: 6.

Rationale: CHG: synced enums

Change #159 with diff file ISSM-16294-16295.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no more mesh.dimenstion

Change #160 with diff file ISSM-16295-16296.diff:

Function name:

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/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2d.py

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

Export determination: 6.

Rationale: CHG: preparing 2d horizontal mesh

Change #161 with diff file ISSM-16296-16297.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: save Bbar if 2d, not 3d

Change #162 with diff file ISSM-16297-16298.diff:

Function name:

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

A /issm/trunk-jpl/src/m/classes/outputdefinition.m M /issm/trunk-jpl/src/m/classes/qmu.m

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/test/NightlyRun/test234.m

Export determination: 6.

Rationale: NEW: starting new way of processing responses.

Change #163 with diff file ISSM-16298-16299.diff:

Function name:

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/autodiff.m

M /issm/trunk-jpl/src/m/classes/autodiff.py M /issm/trunk-jpl/src/m/classes/massfluxatgate.m

M /issm/trunk-jpl/src/m/classes/outputdefinition.m D /issm/trunk-jpl/src/m/enum/AutodiffMassFluxSegme

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

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

jpl/src/m/enum/QmuMassFluxSegmentsPresentEnum.m

Export determination: 6.

Rationale: NEW: transferring to outputdefinitions framework.

Change #164 with diff file ISSM-16299-16300.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/damage.m
Export determination: 6.
Rationale: Updating display

Change #165 with diff file ISSM-16300-16301.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test234.m
Export determination: 6.
Rationale: CHG: bug fix

Change #166 with diff file ISSM-16301-16302.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 A /issm/trunk-jpl/src/c/classes/Massfluxatgate.h
M /issm/trunk-jpl/src/c/classes/classes.h A /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateOutputD
M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateParameters.cpp M
/issm/trunk-jpl/src/c/modules/ModelProcessox/ModelProcessox.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 M /issm/trunk-jpl/src/m/classes/outputdefinition
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/MassFluxSegmentsEnum
D /issm/trunk-jpl/src/m/enum/MassFluxSegmentsPresentEnum.m A /issm/trunk-
jpl/src/m/enum/MassfluxatgateEnum.m A /issm/trunk-jpl/src/m/enum/OutputdefinitionEnum.m
A /issm/trunk-jpl/src/m/enum/OutputdefinitionEnumsEnum.m
Export determination: 6.
Rationale: CHG: reworking the mass flux gate within the qmu solution.

Change #167 with diff file ISSM-16302-16303.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test234.m
Export determination: 6.
Rationale: CHG: bug fix

Change #168 with diff file ISSM-16303-16304.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m

Export determination: 6.

Rationale: Upgraded export vtk to grab all the solutions of all the result structures

Change #169 with diff file ISSM-16304-16305.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 D /issm/trunk-jpl/src/c/classes/Massfluxatgate.h

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

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.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 M /issm/trunk-jpl/src/m/classes/autodiff.m

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

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

D /issm/trunk-jpl/src/m/classes/outputdefinition.m M /issm/trunk-jpl/src/m/classes/qmu.m

M /issm/trunk-jpl/src/m/classes/qmu.py M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m

A /issm/trunk-jpl/src/m/enum/AutodiffMassFluxSegmentsPresentEnum.m (from

/issm/trunk-jpl/src/m/enum/AutodiffMassFluxSegmentsPresentEnum.m:16296)

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

(from /issm/trunk-jpl/src/m/enum/MassFluxSegmentsEnum.m:16296) A /issm/trunk-

jpl/src/m/enum/MassFluxSegmentsPresentEnum.m (from /issm/trunk-jpl/src/m/enum/MassFluxSegmentsP

D /issm/trunk-jpl/src/m/enum/MassfluxatgateEnum.m D /issm/trunk-jpl/src/m/enum/MassfluxatgateName

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

jpl/src/m/enum/OutputdefinitionEnum.m D /issm/trunk-jpl/src/m/enum/OutputdefinitionEnumsEnum.m

A /issm/trunk-jpl/src/m/enum/QmuMassFluxSegmentsPresentEnum.m (from

/issm/trunk-jpl/src/m/enum/QmuMassFluxSegmentsPresentEnum.m:16296) M

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

Export determination: 6.

Rationale: CHG: reverting to version 16296

Change #170 with diff file ISSM-16305-16306.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m

Export determination: 6.

Rationale: CHG: back to new version

Change #171 with diff file ISSM-16306-16307.diff:

Function name:

M /issm/trunk-jpl/scripts/BinRead.py

Export determination: 6.

Rationale: CHG: missing import

Change #172 with diff file ISSM-16307-16308.diff:

Function name:

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/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/ModelProcessorx/Control/

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/inversion.m

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

D /issm/trunk-jpl/src/m/enum/StepResponsesEnum.m M /issm/trunk-jpl/test/NightlyRun/test212.m

M /issm/trunk-jpl/test/NightlyRun/test212.py M /issm/trunk-jpl/test/NightlyRun/test213.m

M /issm/trunk-jpl/test/NightlyRun/test213.py M /issm/trunk-jpl/test/NightlyRun/test214.m

M /issm/trunk-jpl/test/NightlyRun/test214.py M /issm/trunk-jpl/test/NightlyRun/test215.m

M /issm/trunk-jpl/test/NightlyRun/test215.py M /issm/trunk-jpl/test/NightlyRun/test272.m

M /issm/trunk-jpl/test/NightlyRun/test272.py M /issm/trunk-jpl/test/NightlyRun/test319.m

M /issm/trunk-jpl/test/NightlyRun/test319.py M /issm/trunk-jpl/test/NightlyRun/test320.m

M /issm/trunk-jpl/test/NightlyRun/test320.py M /issm/trunk-jpl/test/NightlyRun/test321.m

M /issm/trunk-jpl/test/NightlyRun/test321.py M /issm/trunk-jpl/test/NightlyRun/test322.m

M /issm/trunk-jpl/test/NightlyRun/test322.py M /issm/trunk-jpl/test/NightlyRun/test415.m

M /issm/trunk-jpl/test/NightlyRun/test415.py M /issm/trunk-jpl/test/NightlyRun/test416.m

M /issm/trunk-jpl/test/NightlyRun/test416.py M /issm/trunk-jpl/test/NightlyRun/test511.m

M /issm/trunk-jpl/test/NightlyRun/test511.py M /issm/trunk-jpl/test/NightlyRun/test512.m

M /issm/trunk-jpl/test/NightlyRun/test512.py M /issm/trunk-jpl/test/NightlyRun/test513.m

M /issm/trunk-jpl/test/NightlyRun/test513.py M /issm/trunk-jpl/test/NightlyRun/test611.m

M /issm/trunk-jpl/test/NightlyRun/test611.py M /issm/trunk-jpl/test/NightlyRun/test612.m

M /issm/trunk-jpl/test/NightlyRun/test612.py M /issm/trunk-jpl/test/NightlyRun/test613.m

M /issm/trunk-jpl/test/NightlyRun/test613.py

Export determination: 6.

Rationale: CHG: md.inversion.cost_functions is now only one line (i.e., we cannot change the cost function during the optimization)

Change #173 with diff file ISSM-16308-16309.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test212.py M /issm/trunk-jpl/test/NightlyRun/test213.py

M /issm/trunk-jpl/test/NightlyRun/test214.py M /issm/trunk-jpl/test/NightlyRun/test215.py

M /issm/trunk-jpl/test/NightlyRun/test272.py M /issm/trunk-jpl/test/NightlyRun/test511.py
M /issm/trunk-jpl/test/NightlyRun/test611.py M /issm/trunk-jpl/test/NightlyRun/test612.py
M /issm/trunk-jpl/test/NightlyRun/test613.py
Export determination: 6.
Rationale: CHG: fixing python tests

Change #174 with diff file ISSM-16309-16310.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 problem with volumeabovefloatation function

Change #175 with diff file ISSM-16310-16311.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test424.m M /issm/trunk-jpl/test/NightlyRun/test426.m

Export determination: 6.

Rationale: NEW: added IceVolumeAboveFloatation test in NR

Change #176 with diff file ISSM-16311-16312.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test424.py M /issm/trunk-jpl/test/NightlyRun/test426.py

Export determination: 6.

Rationale: NEW: test on IceVolumeAboveFloatation also in python tests

Change #177 with diff file ISSM-16312-16313.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive424.nc M /issm/trunk-jpl/test/Archives/Archive426.nc

Export determination: 6.

Rationale: FIX: updated archives for IceVolumeAboveFloatation results

Change #178 with diff file ISSM-16313-16314.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/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.h
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/Control.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
Export determination: 6.
Rationale: CHG: weights are now in DatasetInput, fetch by Enum instead of weightindex

Change #179 with diff file ISSM-16314-16315.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/DependentObject.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.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/FemModel.h
M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.h
M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.h
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.h
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.h
M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.h
M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.h
M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp
Export determination: 6.
Rationale: CHG: removing all references to weight_index

Change #180 with diff file ISSM-16315-16316.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp
Export determination: 6.

Rationale: BUG: memory leak

Change #181 with diff file ISSM-16316-16317.diff:

Function name:

A /issm/trunk-jpl/src/m/mech/robintemperature.m

Export determination: 6.

Rationale: NEW: analytical solution of Robin (1955) for the vertical temperature distribution of an ice sheet

Change #182 with diff file ISSM-16317-16318.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: getting rid of meshdimension

Change #183 with diff file ISSM-16318-16319.diff:

Function name:

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 /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

Export determination: 6.

Rationale: CHG: getting rid of meshdimension

Change #184 with diff file ISSM-16319-16320.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/plot_contour.m M /issm/trunk-jpl/src/m/plot/plot_overlay.m

Export determination: 6.

Rationale: CHG: minor improvements

Change #185 with diff file ISSM-16320-16321.diff:

Function name:

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

Export determination: 6.
Rationale: BUG: fixed wrong enum

Change #186 with diff file ISSM-16321-16322.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no need to reset rheology in 2d

Change #187 with diff file ISSM-16322-16323.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/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/modules/PostprocessingEnth

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

jpl/src/c/shared/Elements/elements.h M /issm/trunk-jpl/src/m/classes/thermal.m

M /issm/trunk-jpl/test/Archives/Archive121.nc M /issm/trunk-jpl/test/Archives/Archive122.nc

M /issm/trunk-jpl/test/Archives/Archive326.nc M /issm/trunk-jpl/test/Archives/Archive327.nc

M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/NightlyRun/test121.m

M /issm/trunk-jpl/test/NightlyRun/test121.py M /issm/trunk-jpl/test/NightlyRun/test122.m

M /issm/trunk-jpl/test/NightlyRun/test122.py M /issm/trunk-jpl/test/NightlyRun/test326.m

M /issm/trunk-jpl/test/NightlyRun/test326.py M /issm/trunk-jpl/test/NightlyRun/test327.m

M /issm/trunk-jpl/test/NightlyRun/test327.py M /issm/trunk-jpl/test/NightlyRun/test431.m

M /issm/trunk-jpl/test/NightlyRun/test431.py

Export determination: 6.

Rationale: CHG: enthalpy basal decision chart updated; thermal.isdynamicbasalspc
now part of checkconsistency; tests & archives updated

Change #188 with diff file ISSM-16323-16324.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added requestedoutputs for tests 424 and 426

Change #189 with diff file ISSM-16324-16325.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/bamg.m A /issm/trunk-jpl/src/m/mesh/triangle2dvertical.m

Export determination: 6.

Rationale: CHG: added vertical support for bamg

Change #190 with diff file ISSM-16325-16326.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/mesh2dvertical.m M /issm/trunk-jpl/src/m/plot/applyoptions.m

M /issm/trunk-jpl/src/m/plot/processdata.m M /issm/trunk-jpl/src/m/plot/processmesh.m

Export determination: 6.

Rationale: NEW: plotting capabilities for mesh2d vertical

Change #191 with diff file ISSM-16326-16327.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive432.nc

Export determination: 6.

Rationale: CHG: updating archive

Change #192 with diff file ISSM-16327-16328.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing tso with new responses

Change #193 with diff file ISSM-16328-16329.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added support for mesh 2d vertical partitioning

Change #194 with diff file ISSM-16329-16330.diff:

Function name:

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

jpl/src/wrappers/MeshPartition/MeshPartition.h
Export determination: 6.
Rationale: CHG: fixing MeshPartition with different meshes

Change #195 with diff file ISSM-16330-16331.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: fixing reCast for AD

Change #196 with diff file ISSM-16331-16332.diff:
Function name:
D /issm/trunk-jpl/test/NightlyRun/tmp332.m
Export determination: 6.
Rationale: DEL: not needed anymore

Change #197 with diff file ISSM-16332-16333.diff:
Function name:
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/mesh2dvertical.m M /issm/trunk-jpl/src/m/classes/stressbalance.m
M /issm/trunk-jpl/src/m/mesh/bamg.m
Export determination: 6.
Rationale: CHG: preparing mesh2dvertical

Change #198 with diff file ISSM-16333-16334.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m
Export determination: 6.
Rationale: CHG: marshall y as 0

Change #199 with diff file ISSM-16334-16335.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor/C

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ElementsAndVerticesPartitioning.cpp
Export determination: 6.
Rationale: CHG: adding case mesh2dvertical

Change #200 with diff file ISSM-16335-16336.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m

M /issm/trunk-jpl/src/m/mesh/bamg.m

Export determination: 6.

Rationale: CHG: improving mesh2dvertical capabilities

Change #201 with diff file ISSM-16336-16337.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: improving mesh2dvertical capabilities

Change #202 with diff file ISSM-16337-16338.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updating highlighting

Change #203 with diff file ISSM-16338-16339.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: preparing local referential for FS 2d flowband

Change #204 with diff file ISSM-16339-16340.diff:

Function name:

M /issm/trunk-jpl/src/m/shp/shpread.m A /issm/trunk-jpl/src/m/shp/shpwrite.m

Export determination: 6.

Rationale: CHG: shp write routine

Change #205 with diff file ISSM-16340-16341.diff:

Function name:

M /issm/trunk-jpl/src/m/shp/shpread.m

Export determination: 6.

Rationale: CHG: modification to not wipe out all fields of the shape file

Change #206 with diff file ISSM-16341-16342.diff:

Function name:

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

Export determination: 6.

Rationale: missed negative sign for heat flux

Change #207 with diff file ISSM-16342-16343.diff:

Function name:

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

Export determination: 6.

Rationale: ensure element-wise operations in temperature calculation

Change #208 with diff file ISSM-16343-16344.diff:

Function name:

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

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

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

A /issm/trunk-jpl/src/c/classes/Elements/SegRef.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/Node.cpp

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

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

jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateConstraintsStressbalance.cpp

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/UpdateElementsStressbalance.cpp
 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical/CreateConstraintsStressbalanceVer
 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/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/mesh2dvertical.
 M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/SegEnum.m
 A /issm/trunk-jpl/src/m/enum/SegInputEnum.m D /issm/trunk-jpl/src/m/enum/XZEnum.m
 M /issm/trunk-jpl/src/m/mesh/bamg.m
 Export determination: 6.
 Rationale: CHG: adding some support for 2d FS

Change #209 with diff file ISSM-16344-16345.diff:
 Function name:
 M /issm/trunk-jpl/src/m/classes/model.m
 Export determination: 6.
 Rationale: BUG: missed project2d for spcdamage

Change #210 with diff file ISSM-16345-16346.diff:
 Function name:
 M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
 Export determination: 6.
 Rationale: CHG: fixed test names

Change #211 with diff file ISSM-16346-16347.diff:
 Function name:
 M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
 Export determination: 6.
 Rationale: CHG: fixing test303

Change #212 with diff file ISSM-16347-16348.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: need to cast to int

Change #213 with diff file ISSM-16348-16349.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive331.nc M /issm/trunk-jpl/test/NightlyRun/test331.m

M /issm/trunk-jpl/test/NightlyRun/test331.py

Export determination: 6.

Rationale: CHG: added spc on left side

Change #214 with diff file ISSM-16349-16350.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed undefined map

Change #215 with diff file ISSM-16350-16351.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/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/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.h

Export determination: 6.

Rationale: CHG: moving along with 2d vertical FS

Change #216 with diff file ISSM-16351-16352.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: done with 2d FS

Change #217 with diff file ISSM-16352-16353.diff:

Function name:

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

jpl/src/c/modules/ModelProcessox/EdgesPartitioning.cpp
Export determination: 6.
Rationale: CHG: taylor hood 2d

Change #218 with diff file ISSM-16353-16354.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m
Export determination: 6.
Rationale: Correction of the header

Change #219 with diff file ISSM-16354-16355.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateEdges.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox/EdgesPartitioning.cpp
Export determination: 6.
Rationale: BUG: fixed DG tests

Change #220 with diff file ISSM-16355-16356.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/bamg/exportgmsh.m
Export determination: 6.
Rationale: CHG: added exportgmsh.m to export mesh in gmsh format

Change #221 with diff file ISSM-16356-16357.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: BUG: updated loadobj for damage classe

Change #222 with diff file ISSM-16357-16358.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.

Rationale: BUG: fixing temperature hack, loop over nodes missing

Change #223 with diff file ISSM-16358-16359.diff:

Function name:

M /issm/trunk-jpl/src/m/regional/basinzoom.m M /issm/trunk-jpl/src/m/regional/isbasin.m

Export determination: 6.

Rationale: CHG: fixed broken regional basin display

Change #224 with diff file ISSM-16359-16360.diff:

Function name:

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

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/shared/Elements/DrainageFunctionWaterfraction.cpp

Export determination: 6.

Rationale: BUG: Enthalpy: basal melting and refreezing works now for zero velocities

Change #225 with diff file ISSM-16360-16361.diff:

Function name:

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

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

M /issm/trunk-jpl/test/Archives/Archive121.nc M /issm/trunk-jpl/test/Archives/Archive122.nc

M /issm/trunk-jpl/test/Archives/Archive326.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: exclude buggy drainage of water for now. Update archives.

Change #226 with diff file ISSM-16361-16362.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed SIA SSA coupling

Change #227 with diff file ISSM-16362-16363.diff:

Function name:

A /issm/trunk-jpl/scripts/ol.m

Export determination: 6.

Rationale: CHG: handy matlab hookup to bash script

Change #228 with diff file ISSM-16363-16364.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp M /issm/trunk-jpl/src/c/analyses/steadystate_core.cpp

M /issm/trunk-jpl/src/c/analyses/stressbalance_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/classes/FemModel.h

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/CreateParameters.cpp M

/issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance/CreateParametersStressbalance.cpp

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

M /issm/trunk-jpl/src/m/classes/snowpack.m M /issm/trunk-jpl/src/m/classes/steadystate.m

M /issm/trunk-jpl/src/m/classes/steadystate.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/classes/transient.m

M /issm/trunk-jpl/src/m/classes/transient.py 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/test103.m M /issm/trunk-jpl/test/NightlyRun/test103.py

M /issm/trunk-jpl/test/NightlyRun/test110.m M /issm/trunk-jpl/test/NightlyRun/test110.py

M /issm/trunk-jpl/test/NightlyRun/test111.m M /issm/trunk-jpl/test/NightlyRun/test111.py

M /issm/trunk-jpl/test/NightlyRun/test234.m M /issm/trunk-jpl/test/NightlyRun/test235.m

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

M /issm/trunk-jpl/test/NightlyRun/test3003.m M /issm/trunk-jpl/test/NightlyRun/test3003.py

M /issm/trunk-jpl/test/NightlyRun/test3010.m M /issm/trunk-jpl/test/NightlyRun/test3010.py

M /issm/trunk-jpl/test/NightlyRun/test3015.m M /issm/trunk-jpl/test/NightlyRun/test3015.py

M /issm/trunk-jpl/test/NightlyRun/test3020.m M /issm/trunk-jpl/test/NightlyRun/test3020.py

M /issm/trunk-jpl/test/NightlyRun/test3021.m M /issm/trunk-jpl/test/NightlyRun/test3101.m

M /issm/trunk-jpl/test/NightlyRun/test3101.py M /issm/trunk-jpl/test/NightlyRun/test3103.m

M /issm/trunk-jpl/test/NightlyRun/test3103.py M /issm/trunk-jpl/test/NightlyRun/test3110.m

M /issm/trunk-jpl/test/NightlyRun/test3110.py M /issm/trunk-jpl/test/NightlyRun/test328.m

M /issm/trunk-jpl/test/NightlyRun/test328.py M /issm/trunk-jpl/test/NightlyRun/test329.m

M /issm/trunk-jpl/test/NightlyRun/test329.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

Export determination: 6.

Rationale: CHG: changing requested outputs from enums to strings

Change #229 with diff file ISSM-16364-16365.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/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h

Export determination: 6.

Rationale: NEW: adding front to FS

Change #230 with diff file ISSM-16365-16366.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing useless checkconsistency

Change #231 with diff file ISSM-16366-16367.diff:

Function name:

D /issm/trunk-jpl/src/m/contrib/bamg/exportgmsh.m A /issm/trunk-jpl/src/m/contrib/dassflow

A /issm/trunk-jpl/src/m/contrib/dassflow/exportgmsh.m (from /issm/trunk-jpl/src/m/contrib/bamg/exportgmsh.m:16364)

Export determination: 6.

Rationale: NEW: moved exportgmsh to dassflow

Change #232 with diff file ISSM-16367-16368.diff:

Function name:

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

M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh

Export determination: 6.

Rationale: NEW: added StringToEnum return -1 if not found

Change #233 with diff file ISSM-16368-16369.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better check

Change #234 with diff file ISSM-16369-16370.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reverting

Change #235 with diff file ISSM-16370-16371.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better check

Change #236 with diff file ISSM-16371-16372.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/analyses/analyses.h A /issm/trunk-jpl/src/c/analyses/meshdeformation_core.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/Elements/TriaRef.h A /issm/trunk-jpl/src/c/modules/ModelProcessorx/Mes

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/MeshDeformation/CreateConstraintsMeshDeformation.cp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/MeshDeformation/CreateLoadsMeshDeformation.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/MeshDeformation/CreateNodesMeshDeformation.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/MeshDeformation/UpdateElementsMeshDeformation.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/enum/EnumDefinitions

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

jpl/src/m/enum/MeshdeformationSolutionEnum.m

Export determination: 6.

Rationale: NEW: preparing mesh deformation module

Change #237 with diff file ISSM-16372-16373.diff:

Function name:

M /issm/trunk-jpl/scripts/tai

Export determination: 6.

Rationale: CHG: fixed typo

Change #238 with diff file ISSM-16373-16374.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/Elements/TriaRef.h
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp

Export determination: 6.

Rationale: NEW: added friction for FS flowline

Change #239 with diff file ISSM-16374-16375.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: missing IceVolumeAboveFloatation output in RequestedOutputx

Change #240 with diff file ISSM-16375-16376.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed indentation in python

Change #241 with diff file ISSM-16376-16377.diff:

Function name:

A /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.cpp A /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.h

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

Export determination: 6.

Rationale: NEW: added GaussSeg

Change #242 with diff file ISSM-16377-16378.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added more capabilities to SegRef

Change #243 with diff file ISSM-16378-16379.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed compilation

Change #244 with diff file ISSM-16379-16380.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/bamg.m A /issm/trunk-jpl/src/m/mesh/bamgflowband.m

Export determination: 6.

Rationale: NEW: added bamgflowband.m for flowband meshes

Change #245 with diff file ISSM-16380-16381.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive701.nc M /issm/trunk-jpl/test/NightlyRun/IdToName.m

A /issm/trunk-jpl/test/NightlyRun/test701.m

Export determination: 6.

Rationale: NEW: added flowband NR

Change #246 with diff file ISSM-16381-16382.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: syncing syntax

Change #247 with diff file ISSM-16382-16383.diff:

Function name:

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

M /issm/trunk-jpl/src/c/analyses/stressbalance_core.cpp M /issm/trunk-jpl/src/c/classes/Elements/ElementF

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

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

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

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/DatasetInput.h M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h M /issm/trunk-jpl/src/c/classes/Inputs/Input.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
A /issm/trunk-jpl/src/c/classes/Inputs/SegInput.cpp A /issm/trunk-jpl/src/c/classes/Inputs/SegInput.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
M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/classes/classes.h
M /issm/trunk-jpl/src/c/modules/ModelProcessors/BedSlope/CreateNodesBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessors/BedSlope/UpdateElementsBedSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessors/SurfaceSlope/CreateNodesSurfaceSlope.cpp
Export determination: 6.
Rationale: NEW: added bed slope calculation (needs debugging still)

Change #248 with diff file ISSM-16383-16384.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/transient.py
Export determination: 6.
Rationale: BUG: trying to fix python NR

Change #249 with diff file ISSM-16384-16385.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp
Export determination: 6.
Rationale: BUG: fixed seg faults

Change #250 with diff file ISSM-16385-16386.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/steadystate.py
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/classes/transient.py
Export determination: 6.
Rationale: BUG: fixing python NR again

Change #251 with diff file ISSM-16386-16387.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/SegRef.cpp
Export determination: 6.
Rationale: BUG: dp needs to be initialized

Change #252 with diff file ISSM-16387-16388.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/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.h
Export determination: 6.
Rationale: CHG: Fixing local coordinate system for flowband model

Change #253 with diff file ISSM-16388-16389.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/classes/Definition.h
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/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/IoModel.cpp
M /issm/trunk-jpl/src/c/classes/IoModel.h A /issm/trunk-jpl/src/c/classes/Massfluxatgate.h
M /issm/trunk-jpl/src/c/classes/classes.h A /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputD
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/MeshDeformation M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h A /issm/trunk-jpl/src/c/modules/OutputDefinitionsL
A /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponsex/OutputDefinitionsResponsex.cpp
A /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponsex/OutputDefinitionsResponsex.h
M /issm/trunk-jpl/src/c/modules/modules.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
A /issm/trunk-jpl/src/m/classes/massfluxatgate.m A /issm/trunk-jpl/src/m/classes/massfluxatgate.py
M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/model.m
M /issm/trunk-jpl/src/m/classes/model.py A /issm/trunk-jpl/src/m/classes/outputdefinition.m
A /issm/trunk-jpl/src/m/classes/outputdefinition.py M /issm/trunk-jpl/src/m/classes/steadystate.py
M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/m/classes/transient.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MassfluxatgateEnum.m
A /issm/trunk-jpl/src/m/enum/MassfluxatgateNameEnum.m A /issm/trunk-jpl/src/m/enum/MassfluxatgateSegmentsEnum.m A /issm/trunk-jpl/src/m/enum/OutputdefinitionEnum.m
A /issm/trunk-jpl/src/m/enum/OutputdefinitionEnumsEnum.m 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

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.
M /issm/trunk-jpl/test/Par/SquareThermal.par M /issm/trunk-jpl/test/Par/SquareThermal.py
Export determination: 6.
Rationale: NEW: new capability to request outputs that can be defined very widely in the outputdefinition field of the model. For now, we have implemented the massfluxatgate definition, which can be referred to in the requested_outputs field of stressbalance, transient and mass transport solutions.

Change #254 with diff file ISSM-16389-16390.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/dassflow/importgmsh.m
Export determination: 6.
Rationale: NEW: added importgmsh.m

Change #255 with diff file ISSM-16390-16391.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m
Export determination: 6.
Rationale: CHG: added conversion from mesh to mesh2dvertical

Change #256 with diff file ISSM-16391-16392.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: bug fix

Change #257 with diff file ISSM-16392-16393.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: CHG: took out verbose

Change #258 with diff file ISSM-16393-16394.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test101.py

Export determination: 6.

Rationale: CHG: added checks on mass fluxes

Change #259 with diff file ISSM-16394-16395.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/dassflow/importgmsh.m

Export determination: 6.

Rationale: CHG: improvements

Change #260 with diff file ISSM-16395-16396.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m M /issm/trunk-jpl/src/m/contrib/dassflow/importgmsh.m

M /issm/trunk-jpl/src/m/mesh/bamgflowband.m

Export determination: 6.

Rationale: NEW: added vertexonsurface for 2d flowline models

Change #261 with diff file ISSM-16396-16397.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: wrong array format

Change #262 with diff file ISSM-16397-16398.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive101.nc

Export determination: 6.

Rationale: CHG: updated archive for new test with mass fluxes

Change #263 with diff file ISSM-16398-16399.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/gauss/GaussSeg.cpp
Export determination: 6.
Rationale: CHG: fixed issues with casting

Change #264 with diff file ISSM-16399-16400.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp
Export determination: 6.
Rationale: BUG: fixed bad indices

Change #265 with diff file ISSM-16400-16401.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/DependentObject.cpp M /issm/trunk-jpl/src/c/classes/DependentObject.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp
M /issm/trunk-jpl/src/m/classes/autodiff.m M /issm/trunk-jpl/src/m/classes/autodiff.py
Export determination: 6.
Rationale: CHG: trying autodiff output definition responses

Change #266 with diff file ISSM-16401-16402.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: fixed coordinate system in inputupdatefromsolution

Change #267 with diff file ISSM-16402-16403.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/DependentObject.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/A
Export determination: 6.
Rationale: CHG: minor debugging

Change #268 with diff file ISSM-16403-16404.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test101.py

M /issm/trunk-jpl/test/Par/SquareShelf2.par M /issm/trunk-jpl/test/Par/SquareShelf2.py
Export determination: 6.
Rationale: CHG: do not define outputdefinitions by default

Change #269 with diff file ISSM-16404-16405.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.py M /issm/trunk-jpl/test/NightlyRun/test701.m
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/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: do not define outputdefinitions by default, only define it for
test101

Change #270 with diff file ISSM-16405-16406.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/outputdefinition.m M /issm/trunk-jpl/src/m/classes/outputdefinition.py
Export determination: 6.
Rationale: CHG: enums do not need to be a field of outputdefinitions, define it
locally at marshal

Change #271 with diff file ISSM-16406-16407.diff:

Function name:

A /issm/trunk-jpl/src/m/geometry/NowickiProfile.m
Export determination: 6.
Rationale: NEW: added NowickiProfile.m for transition zone

Change #272 with diff file ISSM-16407-16408.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/outputdefinition
M /issm/trunk-jpl/src/m/classes/outputdefinition.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

D /issm/trunk-jpl/src/m/enum/OutputdefinitionEnumsEnum.m A /issm/trunk-jpl/src/m/enum/OutputdefinitionListEnum.m
Export determination: 6.
Rationale: CHG: renaming OutputdefinitionEnumsEnum OutputdefinitionListEnum (Enum should not be part of the name. this creates problems in matlab's version

Change #273 with diff file ISSM-16408-16409.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp
Export determination: 6.
Rationale: BUG: fixed Enum name:

Change #274 with diff file ISSM-16409-16410.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: pressure was not well retrieved

Change #275 with diff file ISSM-16410-16411.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive702.nc M /issm/trunk-jpl/test/NightlyRun/test701.m
A /issm/trunk-jpl/test/NightlyRun/test702.m
Export determination: 6.
Rationale: NEW: added test702 NR test

Change #276 with diff file ISSM-16411-16412.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/Par/SquareShelfConstrained.par
Export determination: 6.
Rationale: CHG: hiding output definitions in par file

Change #277 with diff file ISSM-16412-16413.diff:

Function name:
M /issm/trunk-jpl/src/m/geometry/NowickiProfile.m
Export determination: 6.
Rationale: CHG: added sea level:

Change #278 with diff file ISSM-16413-16414.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/modules/Shp2Expx
M /issm/trunk-jpl/src/c/modules/modules.h D /issm/trunk-jpl/src/wrappers/Shp2Exp
A /issm/trunk-jpl/src/wrappers/ShpRead (from /issm/trunk-jpl/src/wrappers/Shp2Exp:16407)
D /issm/trunk-jpl/src/wrappers/ShpRead/Shp2Exp.cpp D /issm/trunk-jpl/src/wrappers/ShpRead/Shp2Exp.
A /issm/trunk-jpl/src/wrappers/ShpRead/ShpRead.cpp (from /issm/trunk-jpl/src/wrappers/Shp2Exp/Shp2E
A /issm/trunk-jpl/src/wrappers/ShpRead/ShpRead.h (from /issm/trunk-jpl/src/wrappers/Shp2Exp/Shp2Exp
M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: CHG: removing Shp2Exp and replace with ShpRead to be continued

Change #279 with diff file ISSM-16414-16415.diff:

Function name:
M /issm/trunk-jpl/src/wrappers/ShpRead/ShpRead.cpp
Export determination: 6.
Rationale: NEW: first versions

Change #280 with diff file ISSM-16415-16416.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am 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/StringTo
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMat.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiDenseMat.I
A /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmToolk
A /issm/trunk-jpl/src/c/toolkits/issm/SparseRow.h M /issm/trunk-jpl/src/c/toolkits/issm/issmtoolkit.h
A /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp M /issm/trunk-jpl/src/c/toolkits/mumps/mumps
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MpiSparseEnum.m
M /issm/trunk-jpl/src/m/solvers/issmmumpssolver.m
Export determination: 6.
Rationale: NEW: implemented new IssmMpiSparseMat format. Switched the
mumps solver to this new format.

Change #281 with diff file ISSM-16416-16417.diff:

Function name:

M /issm/trunk-jpl/src/m/mech/analyticaldamage.m A /issm/trunk-jpl/src/m/mech/backstressfrominversion.m

A /issm/trunk-jpl/src/m/mech/damagefrominversion.m A /issm/trunk-jpl/src/m/mech/thomasparams.m

Export determination: 6.

Rationale: NEW: functions for calculating ice shelf damage and backstress from inversion (B) results.

Change #282 with diff file ISSM-16417-16418.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h

Export determination: 6.

Rationale: CHG: fixed bug

Change #283 with diff file ISSM-16418-16419.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: linewidth can be passed as a cell

Change #284 with diff file ISSM-16419-16420.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h

Export determination: 6.

Rationale: CHG: buf fix.

Change #285 with diff file ISSM-16420-16421.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/Par/SquareShelfConstrained.par

Export determination: 6.

Rationale: CHG: moving outputdefinitions back to test101

Change #286 with diff file ISSM-16421-16422.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: simplifying InputUpdateFromSolution

Change #287 with diff file ISSM-16422-16423.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 InputUpdateFromSolutionFS bug, in which we do not transform the solution vector correctly

Change #288 with diff file ISSM-16423-16424.diff:

Function name:
M /issm/trunk-jpl/src/m/solve/WriteData.m
Export determination: 6.
Rationale: CHG: fixing case = NaN for string array

Change #289 with diff file ISSM-16424-16425.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h
Export determination: 6.
Rationale: CHG: improving hopefully on speed.

Change #290 with diff file ISSM-16425-16426.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive308.nc M /issm/trunk-jpl/test/Archives/Archive322.nc
M /issm/trunk-jpl/test/Archives/Archive404.nc M /issm/trunk-jpl/test/Archives/Archive422.nc
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 archives now that FS coordinate system is fixed

Change #291 with diff file ISSM-16426-16427.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive308.nc M /issm/trunk-jpl/test/Archives/Archive322.nc
M /issm/trunk-jpl/test/Archives/Archive404.nc M /issm/trunk-jpl/test/Archives/Archive422.nc
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 archives now that FS coordinate system is fixed

Change #292 with diff file ISSM-16427-16428.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added _HAVE_TAO_

Change #293 with diff file ISSM-16428-16429.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added TAO check

Change #294 with diff file ISSM-16429-16430.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added error message if more than one edge is on bed (which is not supported in the current framework)

Change #295 with diff file ISSM-16430-16431.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h

Export determination: 6.

Rationale: CHG: improved speed on assemble routine.

Change #296 with diff file ISSM-16431-16432.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: do not check vz if not 3d

Change #297 with diff file ISSM-16432-16433.diff:

Function name:

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/UpdateElementsFreeSurfaceTop.cpp

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

Export determination: 6.

Rationale: CHG: fixing free surfaces for 2d vertical models

Change #298 with diff file ISSM-16433-16434.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: fixed coupling FS

Change #299 with diff file ISSM-16434-16435.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/SegRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/SegRef.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/Inputs/BoolInput.h M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h

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

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

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

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

Export determination: 6.

Rationale: NEW: preparing Free surfaces flowband model

Change #300 with diff file ISSM-16435-16436.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Node.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/FreeSurfaceTo

Export determination: 6.

Rationale: CHG: fixing free surfaces

Change #301 with diff file ISSM-16436-16437.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing memory leak

Change #302 with diff file ISSM-16437-16438.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: overlay_adjust parameters added for better tuning of brightness and contrast of overlay images. Parameters a,b,c,d must be in [0,1]. In general: To decrease contrast: increase a To increase contrast: decrease b To increase brightness: increase c To decrease brightness: decrease d Some trial-and-error is needed, and it helps to look at a histogram of the intensity first.

Change #303 with diff file ISSM-16438-16439.diff:

Function name:

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

M /issm/trunk-jpl/src/c/toolkits/issm/SparseRow.h

Export determination: 6.

Rationale: CHG: optimizing sparse mpi matrix

Change #304 with diff file ISSM-16439-16440.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: there is a reason why I did that cast. If there is a leak, let's fix the leak, not break the AD nightly by removing the cast.

Change #305 with diff file ISSM-16440-16441.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing xDelete

Change #306 with diff file ISSM-16441-16442.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed bug in module when allocating for ISSM matrices instead of PETSC

Change #307 with diff file ISSM-16442-16443.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/analyses.h M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp

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/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/FemModel.cpp

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

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

/issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase/CreateConstraintsExtrudeFromBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase/CreateLoadsExtrudeFromBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase/CreateNodesExtrudeFromBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase/UpdateElementsExtrudeFromBase.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop A /issm/trunk-

jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop/CreateConstraintsExtrudeFromTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop/CreateLoadsExtrudeFromTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop/CreateNodesExtrudeFromTop.cpp

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop/UpdateElementsExtrudeFromTop.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/EnumToString.cpp

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

Export determination: 6.

Rationale: CHG: added extrusion solution

Change #308 with diff file ISSM-16443-16444.diff:

Function name:

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

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

jpl/src/m/enum/InputToExtrudeEnum.m

Export determination: 6.

Rationale: CHG: added extrusion solution

Change #309 with diff file ISSM-16444-16445.diff:

Function name:

A /issm/trunk-jpl/src/c/analyses/extrudefrombase_core.cpp A /issm/trunk-jpl/src/c/analyses/extrudefromtop_core.cpp

Export determination: 6.

Rationale: CHG: missing files

Change #310 with diff file ISSM-16445-16446.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: CHG: MPI_INC_DIR directory, for MITgcm

Change #311 with diff file ISSM-16446-16447.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: simplifying vertex constructors

Change #312 with diff file ISSM-16447-16448.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Vertex.h

Export determination: 6.

Rationale: NEW: fixing Updatevertex position for 2d vertical meshes

Change #313 with diff file ISSM-16448-16449.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop

Export determination: 6.

Rationale: CHG: getting svn to ignore some files

Change #314 with diff file ISSM-16449-16450.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromTop

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #315 with diff file ISSM-16450-16451.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/SparseRow.h

Export determination: 6.

Rationale: CHG: huge speed-up in the SetValues routine.

Change #316 with diff file ISSM-16451-16452.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiSparseMat.h

Export determination: 6.

Rationale: CHG: faster descrutor

Change #317 with diff file ISSM-16452-16453.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/SparseRow.h

Export determination: 6.

Rationale: CHG: 30

Change #318 with diff file ISSM-16453-16454.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: CHG: no need to define requested_output twice

Change #319 with diff file ISSM-16455-16456.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/mask.m
Export determination: 6.
Rationale: CHG: warning instead of error

Change #320 with diff file ISSM-16456-16457.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.m
Export determination: 6.
Rationale: BUG: adding check consistency for requested_outputs

Change #321 with diff file ISSM-16457-16458.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.py
Export determination: 6.
Rationale: BUG: trying to update python checkfield for requested_outputs

Change #322 with diff file ISSM-16458-16459.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py
M /issm/trunk-jpl/src/m/classes/steadystate.m M /issm/trunk-jpl/src/m/classes/steadystate.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/classes/transient.m M /issm/trunk-jpl/src/m/classes/transient.py
Export determination: 6.
Rationale: BUG: changing checkconsistency for requested_outpus

Change #323 with diff file ISSM-16459-16460.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.m

Export determination: 6.

Rationale: BUG: output_requested can also be zero

Change #324 with diff file ISSM-16460-16461.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.py

Export determination: 6.

Rationale: BUG: consistency in python for requested_outputs

Change #325 with diff file ISSM-16461-16462.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Elements/Elements.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/Seg.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/ExternalResults/GenericExternalResult.h M /issm/trunk-

jpl/src/c/classes/ExternalResults/Results.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/FemModel.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.h

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

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: NEW: new output API for stressbalance. No call to InputToResults,

Results are directly put into femmodel->results as parallel vectors

Change #326 with diff file ISSM-16462-16463.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test101.py

M /issm/trunk-jpl/test/NightlyRun/test103.m M /issm/trunk-jpl/test/NightlyRun/test103.py

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

M /issm/trunk-jpl/test/NightlyRun/test3003.m M /issm/trunk-jpl/test/NightlyRun/test3003.py

M /issm/trunk-jpl/test/NightlyRun/test3021.m M /issm/trunk-jpl/test/NightlyRun/test3101.m

M /issm/trunk-jpl/test/NightlyRun/test3103.m M /issm/trunk-jpl/test/NightlyRun/test3103.py
Export determination: 6.
Rationale: CHG: changed stressbalance.requestedoutput

Change #327 with diff file ISSM-16463-16464.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py
Export determination: 6.
Rationale: CHG: added default outputs for stressbalance

Change #328 with diff file ISSM-16464-16465.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/masstransport_core.cpp M /issm/trunk-jpl/src/m/classes/masstransport.m
M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: CHG: added default outputs for masstransport

Change #329 with diff file ISSM-16465-16466.diff:
Function name:
M /issm/trunk-jpl/src/m/consistency/checkfield.py
Export determination: 6.
Rationale: BUG: fixing check that is list

Change #330 with diff file ISSM-16466-16467.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/commops/DetermineRowRankFromLocalSize.cpp
Export determination: 6.
Rationale: CHG: fixing leaks

Change #331 with diff file ISSM-16467-16468.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp
Export determination: 6.

Rationale: CHG: fixed leak.

Change #332 with diff file ISSM-16468-16469.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

Export determination: 6.

Rationale: CHG: fixed issues with casting of passive into actives.

Change #333 with diff file ISSM-16469-16470.diff:

Function name:

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

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/modules/OutputResultsx/OutputResult

Export determination: 6.

Rationale: BUG: make sure identical results are deleted before being added

Change #334 with diff file ISSM-16470-16471.diff:

Function name:

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

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

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

M /issm/trunk-jpl/src/c/analyses/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/analyses/bedslope_core.c

D /issm/trunk-jpl/src/c/analyses/enthalpy_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/surfaceslope_core.cpp 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/ElementResults/BoolEl

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/

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/

M /issm/trunk-jpl/src/c/classes/ElementResults/TriaP1ElementResult.h M /issm/trunk-

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

M /issm/trunk-jpl/src/c/classes/Elements/Elements.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/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp D /issm/trunk-jpl/src/c/classes/Patch.cpp D /issm/trunk-jpl/src/c/classes/Patch.h M /issm/trunk-jpl/src/c/classes/classes.h
M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/Enthalpy/UpdateElementsEnthalpy.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessors/Thermal/CreateNodesThermal.cpp
M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponse/OutputDefinitionsResponse.cpp
M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponse/OutputDefinitionsResponse.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/m/classes/initialization.m
M /issm/trunk-jpl/src/m/classes/initialization.py M /issm/trunk-jpl/src/m/classes/masstransport.m
M /issm/trunk-jpl/src/m/classes/settings.m M /issm/trunk-jpl/src/m/classes/settings.py
M /issm/trunk-jpl/src/m/classes/steadystate.m M /issm/trunk-jpl/src/m/classes/steadystate.py
M /issm/trunk-jpl/src/m/classes/thermal.m M /issm/trunk-jpl/src/m/classes/thermal.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py D /issm/trunk-jpl/src/m/enum/EnthalpySolutionEnum.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/PatchEnum.m
D /issm/trunk-jpl/src/m/enum/PatchNodesEnum.m D /issm/trunk-jpl/src/m/enum/PatchVerticesEnum.m
D /issm/trunk-jpl/src/m/enum/SettingsResultsAsPatchesEnum.m A /issm/trunk-jpl/src/m/enum/ThermalNumRequestedOutputsEnum.m A /issm/trunk-jpl/src/m/enum/ThermalRequested
M /issm/trunk-jpl/src/m/geometry/NowickiProfile.m D /issm/trunk-jpl/src/m/interp/PatchToVec.m
M /issm/trunk-jpl/src/m/plot/plot_unit.m M /issm/trunk-jpl/src/m/plot/processdata.m
M /issm/trunk-jpl/src/m/plot/processmesh.m M /issm/trunk-jpl/src/m/regional/regionaltransient2d.m
D /issm/trunk-jpl/src/m/solve/MatlabProcessPatch.m D /issm/trunk-jpl/src/m/solve/MatlabProcessPatch.p
M /issm/trunk-jpl/src/m/solve/parsereventsfromdisk.m M /issm/trunk-jpl/src/m/solve/parsereventsfromdisk.p
M /issm/trunk-jpl/src/m/solve/process_solve_options.m M /issm/trunk-jpl/src/m/solve/process_solve_options.
Export determination: 6.
Rationale: NEW: merging thermal_core with enthalpy_core (removing EnthalpySolution), and replacing InputToResult by OutputRequest

Change #335 with diff file ISSM-16471-16472.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing debugging print

Change #336 with diff file ISSM-16472-16473.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/test325.m M /issm/trunk-jpl/test/NightlyRun/test325.py
M /issm/trunk-jpl/test/NightlyRun/test411.py
Export determination: 6.
Rationale: CHG: EnthalpySolution replaced by ThermalSolution

Change #337 with diff file ISSM-16473-16474.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/bedslope_core.cpp M /issm/trunk-jpl/src/c/analyses/surfaceslope_core.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixinf some errors (see NR report)

Change #338 with diff file ISSM-16474-16475.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.h M /issm/trunk-jpl/src/c/classes/ElementResults/DoubleElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/ElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/PentaP1ElementResult.h M /issm/trunk-jpl/src/c/classes/ElementResults/PentaP1ElementResult.cpp M /issm/trunk-jpl/src/c/classes/ElementResults/TriaP1ElementResult.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/ExternalResult.h M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp
Export determination: 6.
Rationale: CHG: fixing test101, we cannot rely on result enum anymore, need to use string only

Change #339 with diff file ISSM-16475-16476.diff:

Function name:

M /issm/trunk-jpl/src/m/geometry/NowickiProfile.m
Export determination: 6.
Rationale: CHG: reverting to previous version

Change #340 with diff file ISSM-16476-16477.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/steadystate_core.cpp M /issm/trunk-jpl/src/c/analyses/thermal_core.cpp

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

Export determination: 6.

Rationale: CHG: for steadystate, we cannot call PostprocessingEnthalpyx...

Change #341 with diff file ISSM-16477-16478.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed typo

Change #342 with diff file ISSM-16478-16479.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/control_core.cpp M /issm/trunk-jpl/src/c/analyses/damage_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/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/Seg.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/FemModel.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/m/classes/transient.m

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

Export determination: 6.

Rationale: CHG: removing all InputToResult

Change #343 with diff file ISSM-16479-16480.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 connectivity to create vector results so that we have the same results as before

Change #344 with diff file ISSM-16480-16481.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test213.m M /issm/trunk-jpl/test/NightlyRun/test213.py
M /issm/trunk-jpl/test/NightlyRun/test214.m M /issm/trunk-jpl/test/NightlyRun/test214.py
M /issm/trunk-jpl/test/NightlyRun/test215.m M /issm/trunk-jpl/test/NightlyRun/test215.py
Export determination: 6.
Rationale: CHG: we now have Bbar in resluts instead of B

Change #345 with diff file ISSM-16481-16482.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added GetInterpolation functionality

Change #346 with diff file ISSM-16482-16483.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test328.m M /issm/trunk-jpl/test/NightlyRun/test328.py

M /issm/trunk-jpl/test/NightlyRun/test329.m M /issm/trunk-jpl/test/NightlyRun/test329.py

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

Export determination: 6.

Rationale: CHG: transient.requestedoutputs needs to have 'default'

Change #347 with diff file ISSM-16483-16484.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: new transient inputs need to be configured:

Change #348 with diff file ISSM-16484-16485.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing lat InputToResultx

Change #349 with diff file ISSM-16485-16486.diff:

Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt 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/Seg.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/FemModel.h
D /issm/trunk-jpl/src/c/modules/InputToResultx M /issm/trunk-jpl/src/c/modules/modules.h

Export determination: 6.

Rationale: DEL: removing InputToResult, not used anymore

Change #350 with diff file ISSM-16486-16487.diff:

Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt M /issm/trunk-jpl/src/c/Makefile.am
D /issm/trunk-jpl/src/c/classes/ElementResults M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Elements.cpp M /issm/trunk-jpl/src/c/classes/Elements/Elements.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.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/classes/Elements/Tria.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/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/Input.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/SegInput.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
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/OutputResultsx/OutputResultsx.h
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

Export determination: 6.

Rationale: DEL: removing results from elements

Change #351 with diff file ISSM-16487-16488.diff:

Function name:

D /issm/trunk-jpl/src/m/enum/BoolElementResultEnum.m D /issm/trunk-jpl/src/m/enum/DoubleElementResultEnum.m
D /issm/trunk-jpl/src/m/enum/ElementResultEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
D /issm/trunk-jpl/src/m/enum/PentaP1ElementResultEnum.m D /issm/trunk-jpl/src/m/enum/TriaP1ElementResultEnum.m

Export determination: 6.
Rationale: CHG: syncing enums

Change #352 with diff file ISSM-16488-16489.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processmesh.m
Export determination: 6.
Rationale: CHG: no need to check whether data is empty

Change #353 with diff file ISSM-16489-16490.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
Export determination: 6.
Rationale: DEL: removing unused function

Change #354 with diff file ISSM-16490-16491.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m
Export determination: 6.
Rationale: exportVTK can now export other fields than results

Change #355 with diff file ISSM-16491-16492.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: added gcc option for pleiades cluster

Change #356 with diff file ISSM-16492-16493.diff:
Function name:
A /issm/trunk-jpl/configs/config-linux64-pleiades-mpi-gcc.sh
Export determination: 6.
Rationale: NEW: new config for pleiades cluster

Change #357 with diff file ISSM-16493-16494.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am

Export determination: 6.

Rationale: CHG: solving circular dependencies

Change #358 with diff file ISSM-16494-16495.diff:

Function name:

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/Tria.cpp

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

Export determination: 6.

Rationale: CHG: fixed bad prototype.

Change #359 with diff file ISSM-16495-16496.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed problem with prototypes

Change #360 with diff file ISSM-16496-16497.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed leak

Change #361 with diff file ISSM-16497-16498.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test327.m M /issm/trunk-jpl/test/NightlyRun/test327.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #362 with diff file ISSM-16498-16499.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/ExternalResults/Results.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #363 with diff file ISSM-16499-16500.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp M /issm/trunk-jpl/src/c/classes/Massfluxatgate.h
M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponse/OutputDefinitionsResponse.cpp
Export determination: 6.
Rationale: BUG: fixing memory leaks

Change #364 with diff file ISSM-16500-16501.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.m
Export determination: 6.
Rationale: adding a NaN search and replace

Change #365 with diff file ISSM-16501-16502.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: BUG: fixing memory leaks

Change #366 with diff file ISSM-16502-16503.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: readded check that all iomodel-*j*data are freed

Change #367 with diff file ISSM-16503-16504.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp

Export determination: 6.
Rationale: CHG: fixed typo

Change #368 with diff file ISSM-16504-16505.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/ExternalResults/ExternalResult.h M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h

Export determination: 6.

Rationale: CHG: merging CostFunction and RequestedOutputx

Change #369 with diff file ISSM-16505-16506.diff:

Function name:

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/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/analyses/bedslope_core.cpp
M /issm/trunk-jpl/src/c/analyses/damage_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/surfaceslope_core.cpp
M /issm/trunk-jpl/src/c/analyses/transient_core.cpp

Export determination: 6.

Rationale: CHG: use int* instead of char array

Change #370 with diff file ISSM-16506-16507.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1101.m

Export determination: 6.

Rationale: BUG: NR validation tolerance

Change #371 with diff file ISSM-16507-16508.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not cast int* to char**

Change #372 with diff file ISSM-16508-16509.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: new tolerance test1106

Change #373 with diff file ISSM-16509-16510.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: int array should not be const

Change #374 with diff file ISSM-16510-16511.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/modules/GroundinglineMig

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/NoneAnalysisEnum.m

Export determination: 6.

Rationale: DEL: removed NoneAnalalysis, not used anymore

Change #375 with diff file ISSM-16511-16512.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1105.nc

Export determination: 6.

Rationale: FIX: updated archive 1105

Change #376 with diff file ISSM-16512-16513.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1301.m

Export determination: 6.

Rationale: FIX: minor tolerance

Change #377 with diff file ISSM-16513-16514.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: NEW: added check that marshalled file is not corrupt

Change #378 with diff file ISSM-16514-16515.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/marshall.m M /issm/trunk-jpl/src/m/solve/marshall.py
Export determination: 6.
Rationale: NEW: added check that marshalled file is not corrupt

Change #379 with diff file ISSM-16515-16516.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gslib/pkriging.m
Export determination: 6.
Rationale: CHG: fixed marshalling for new IoModel checkconsistency

Change #380 with diff file ISSM-16516-16517.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.4-greenplanet.sh
Export determination: 6.
Rationale: NEW: added install-3.4-greenplanet.sh

Change #381 with diff file ISSM-16517-16518.diff:
Function name:
A /issm/trunk-jpl/src/m/exp/contourlevelzero.m A /issm/trunk-jpl/src/m/exp/expcontourlevelzero.m
Export determination: 6.
Rationale: NEW: contourlevelzero routine piggy backing from the plot_contour routine. Exp routine that goes with it.

Change #382 with diff file ISSM-16518-16519.diff:
Function name:

M /issm/trunk-jpl/src/c/CMakeLists.txt M /issm/trunk-jpl/src/c/Makefile.am
D /issm/trunk-jpl/src/c/analyses M /issm/trunk-jpl/src/c/classes/FemModel.cpp
A /issm/trunk-jpl/src/c/cores (from /issm/trunk-jpl/src/c/analyses:16508) M
/issm/trunk-jpl/src/c/cores/AdjointCorePointerFromSolutionEnum.cpp M /issm/trunk-
jpl/src/c/cores/AnalysisConfiguration.cpp M /issm/trunk-jpl/src/c/cores/CorePointerFromSolutionEnum.cpp
M /issm/trunk-jpl/src/c/cores/DakotaSpawnCore.cpp D /issm/trunk-jpl/src/c/cores/EnvironmentFinalize.cpp
D /issm/trunk-jpl/src/c/cores/EnvironmentInit.cpp M /issm/trunk-jpl/src/c/cores/WrapperCorePointerFrom
M /issm/trunk-jpl/src/c/cores/ad_core.cpp M /issm/trunk-jpl/src/c/cores/adjointbalancethickness_core.cpp
M /issm/trunk-jpl/src/c/cores/adjointstressbalance_core.cpp D /issm/trunk-jpl/src/c/cores/analyses.h
M /issm/trunk-jpl/src/c/cores/balancethickness_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.
M /issm/trunk-jpl/src/c/cores/bedslope_core.cpp M /issm/trunk-jpl/src/c/cores/control_core.cpp
M /issm/trunk-jpl/src/c/cores/controltao_core.cpp A /issm/trunk-jpl/src/c/cores/cores.h
(from /issm/trunk-jpl/src/c/analyses/analyses.h:16508) M /issm/trunk-jpl/src/c/cores/dakota_core.cpp
M /issm/trunk-jpl/src/c/cores/damage_core.cpp M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp
M /issm/trunk-jpl/src/c/cores/extrudefromtop_core.cpp M /issm/trunk-jpl/src/c/cores/gia_core.cpp
M /issm/trunk-jpl/src/c/cores/gradient_core.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp
M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp M /issm/trunk-jpl/src/c/cores/meshdeformation_core.
M /issm/trunk-jpl/src/c/cores/objectivefunction.cpp M /issm/trunk-jpl/src/c/cores/steadystate_core.cpp
M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp M /issm/trunk-jpl/src/c/cores/surfaceslope_core.cpp
M /issm/trunk-jpl/src/c/cores/thermal_core.cpp R /issm/trunk-jpl/src/c/cores/transient_core.cpp
(from /issm/trunk-jpl/src/c/analyses/transient_core.cpp:16509) A /issm/trunk-
jpl/src/c/main/EnvironmentFinalize.cpp (from /issm/trunk-jpl/src/c/analyses/EnvironmentFinalize.cpp:1650
A /issm/trunk-jpl/src/c/main/EnvironmentInit.cpp (from /issm/trunk-jpl/src/c/analyses/EnvironmentInit.cp
M /issm/trunk-jpl/src/c/main/issm.h
Export determination: 6.
Rationale: CHG: moving analyses to cores

Change #383 with diff file ISSM-16519-16520.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-skylla.sh

Export determination: 6.

Rationale: adding configuration for skylla

Change #384 with diff file ISSM-16520-16521.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1107.nc M /issm/trunk-jpl/test/Archives/Archive1108.nc

Export determination: 6.

Rationale: FIX: updated archives

Change #385 with diff file ISSM-16521-16522.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/BamgQuadtree.cpp M /issm/trunk-jpl/src/c/bamg/Mesh.cpp
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/kml/KMLFileReadUtils.cpp
M /issm/trunk-jpl/src/c/modules/Exp2Kmlx/Exp2Kmlx.cpp M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/Damage/CreateLoadsDamage.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/HydrologyDCInefficient/CreateLoadsHydrologyDCInefficient.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/Melting/CreateLoadsMelting.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/StressbalanceSIA/CreateConstraintsStressbalanceSIA.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/Thermal/CreateLoadsThermal.cpp
M /issm/trunk-jpl/src/c/modules/Shp2Kmlx/Shp2Kmlx.cpp M /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp

Export determination: 6.

Rationale: CHG: fixed some warnings from compiler

Change #386 with diff file ISSM-16522-16523.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1201.nc M /issm/trunk-jpl/test/Archives/Archive1202.nc
M /issm/trunk-jpl/test/Archives/Archive1203.nc M /issm/trunk-jpl/test/Archives/Archive1204.nc
M /issm/trunk-jpl/test/Archives/Archive1501.nc

Export determination: 6.

Rationale: FIX: more archives

Change #387 with diff file ISSM-16523-16524.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1502.m

Export determination: 6.

Rationale: FIX: NR archives 1502 minor

Change #388 with diff file ISSM-16524-16525.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1208.nc

Export determination: 6.

Rationale: FIX: minor archive 1208

Change #389 with diff file ISSM-16525-16526.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1109.nc

Export determination: 6.

Rationale: FIX: minor archive 1109

Change #390 with diff file ISSM-16526-16527.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1110.nc

Export determination: 6.

Rationale: FIX: minor archive 1110

Change #391 with diff file ISSM-16527-16528.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2.sh

Export determination: 6.

Rationale: CHG: pleiades mpich2 install

Change #392 with diff file ISSM-16528-16529.diff:

Function name:

A /issm/trunk-jpl/externalpackages/adolc/install-withampi-pleiades-gcc.sh

Export determination: 6.

Rationale: CHG: new gcc pleiades configuration

Change #393 with diff file ISSM-16529-16530.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/Elements/Penta.h 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/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/classes/Node.cpp

M /issm/trunk-jpl/src/c/cores/AnalysisConfiguration.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core

M /issm/trunk-jpl/src/c/cores/bedslope_core.cpp M /issm/trunk-jpl/src/c/cores/surfaceslope_core.cpp

D /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope M /issm/trunk-

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

A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase (from /issm/trunk-

```

jpl/src/c/modules/ModelProcessorx/BedSlope:16526) D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/CreateConstraintsL2ProjectionBase.cp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateConstraintsBedSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/CreateLoadsBedSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/CreateLoadsL2ProjectionBase.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateLoadsBedSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/CreateNodesBedSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/CreateNodesL2ProjectionBase.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/CreateNodesBedSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/UpdateElementsBedSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase/UpdateElementsL2ProjectionBase.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/BedSlope/UpdateElementsBedSlope.cpp:16526)
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop (from /issm/trunk-
jpl/src/c/modules/ModelProcessorx/SurfaceSlope:16526) A /issm/trunk-jpl/src/c/modules/ModelProcessorx/
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateConstraintsSurfaceSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/CreateConstraintsSurfaceSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/CreateLoadsL2ProjectionTop.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateLoadsSurfaceSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/CreateLoadsSurfaceSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/CreateNodesL2ProjectionTop.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/CreateNodesSurfaceSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/CreateNodesSurfaceSlope.cpp
A /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/UpdateElementsL2ProjectionTop.cpp
(from /issm/trunk-jpl/src/c/modules/ModelProcessorx/SurfaceSlope/UpdateElementsSurfaceSlope.cpp:16526)
D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop/UpdateElementsSurfaceSlope.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h D /issm/trunk-
jpl/src/c/modules/ModelProcessorx/SurfaceSlope 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/StringTo
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m D /issm/trunk-
jpl/src/m/enum/BedSlopeAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/BedSlopeXAnalysisEnum.m
D /issm/trunk-jpl/src/m/enum/BedSlopeYAnalysisEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions
A /issm/trunk-jpl/src/m/enum/InputToL2ProjectEnum.m A /issm/trunk-jpl/src/m/enum/L2ProjectionBase
A /issm/trunk-jpl/src/m/enum/L2ProjectionTopAnalysisEnum.m D /issm/trunk-
jpl/src/m/enum/SurfaceSlopeAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceSlopeXAnalysisEnum.m
D /issm/trunk-jpl/src/m/enum/SurfaceSlopeYAnalysisEnum.m

```

Export determination: 6.

Rationale: CHG: removing Surfaceslopes and bedslopes analysis, replaced by
L2ProjectionBase

Change #394 with diff file ISSM-16530-16531.diff:

Function name:

```

A /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2-gcc470.sh
(from /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2.sh:16527)

```

D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2.sh
Export determination: 6.
Rationale: CHG: better resolution of names for petsc ocnfigurations

Change #395 with diff file ISSM-16531-16532.diff:

Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2-gcc444.sh
Export determination: 6.
Rationale: CHG: trying new configuration with gcc 4.4.4 compatible with the
pleiades matlab build for version 2012b

Change #396 with diff file ISSM-16532-16533.diff:

Function name:
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py
Export determination: 6.
Rationale: CHG: no more SlopeAnalysisEnum

Change #397 with diff file ISSM-16533-16534.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/AnalysisConfiguration.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp
Export determination: 6.
Rationale: CHG: created datasets for SmoothedSurfaceAnalysis

Change #398 with diff file ISSM-16534-16535.diff:

Function name:
M /issm/trunk-jpl/src/c/CMakeLists.txt M /issm/trunk-jpl/src/c/Makefile.am
A /issm/trunk-jpl/src/c/analyses A /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.h A /issm/trunk-
jpl/src/c/analyses/AdjointHorizAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h
A /issm/trunk-jpl/src/c/analyses/Analysis.h A /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.h A /issm/trunk-
jpl/src/c/analyses/BalancethicknessSoftAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftA
A /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp A /issm/trunk-
jpl/src/c/analyses/BalancevelocityAnalysis.h A /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp

A /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h A /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.h
A /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.h
A /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.h A /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h A /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h A /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.h A /issm/trunk-jpl/src/c/analyses/GiaAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/GiaAnalysis.h A /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h A /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.h A /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.h A /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h A /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.h A /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.h A /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.h A /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.h A /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.h A /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h A /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.h A /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.h A /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h A /issm/trunk-jpl/src/c/analyses/analyses.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/cores/cores.h D /issm/trunk-jpl/src/c/modules/ModelProcessorx/DistributeNumDofs.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h M /issm/trunk-jpl/src/c/shared/Enum/Synchronize.sh
Export determination: 6.
Rationale: NEW: added analyses class so that the code becomes physics oriented

Change #399 with diff file ISSM-16535-16536.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed problem with transient slope

Change #400 with diff file ISSM-16536-16537.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-pleiades-gcc-4.4.4.sh A /issm/trunk-jpl/configs/config-linux64-pleiades-gcc-4.7.0.sh

Export determination: 6.

Rationale: CHG: gcc 4.4.4 and 4.7.0 configuration files for pleiades cluster

Change #401 with diff file ISSM-16537-16538.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #402 with diff file ISSM-16538-16539.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #403 with diff file ISSM-16539-16540.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h
M /issm/trunk-jpl/src/c/analyses/Analysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.h
M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.h M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.h
M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.h M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.h M /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.h M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Balancevelocity M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Damage M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Enthalpy D /issm/trunk-jpl/src/c/modules/ModelProcessorx/ExtrudeFromBase D /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceBase D /issm/trunk-jpl/src/c/modules/ModelProcessorx/FreeSurfaceTop D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Gia M /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCEfficient D /issm/trunk-jpl/src/c/modules/ModelProcessorx/HydrologyDCInefficient D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionBase D /issm/trunk-jpl/src/c/modules/ModelProcessorx/L2ProjectionTop D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Melting D /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessorx.h D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Stressbalance D /issm/trunk-jpl/src/c/modules/ModelProcessorx/StressbalanceVertical D /issm/trunk-jpl/src/c/modules/ModelProcessorx/Thermal

Export determination: 6.

Rationale: CHG: moving model processor stuff to analyses

Change #404 with diff file ISSM-16540-16541.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test332.m

Export determination: 6.

Rationale: CHG: missing semicolon

Change #405 with diff file ISSM-16541-16542.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing damage parameters

Change #406 with diff file ISSM-16542-16543.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h M /issm/trunk-jpl/src/c/analyses/Analysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancethicknessAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancethicknessSoftAnalysis.h M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/BalancevelocityAnalysis.h M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.h M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.h M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyShreveAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.h M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.h M /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.h M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.h M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.h M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.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/CreateNodes.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessor.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessor.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/UpdateCounters.cpp

Export determination: 6.

Rationale: NEW: create all datasets once for all (nodes, elements, constraints, parameters), do not pass pointers anymore (much simpler)

Change #407 with diff file ISSM-16543-16544.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: fixed new interface with no dataset pointer

Change #408 with diff file ISSM-16544-16545.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessor.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/ModelProcessor.h D /issm/trunk-jpl/src/c/modules/ModelProcessorx/S D /issm/trunk-jpl/src/c/modules/ModelProcessorx/UpdateCounters.cpp

Export determination: 6.

Rationale: DEL: getting rid of 2 very simple files

Change #409 with diff file ISSM-16545-16546.diff:

Function name:

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

M /issm/trunk-jpl/test/Archives/Archive120.nc M /issm/trunk-jpl/test/Archives/Archive121.nc

M /issm/trunk-jpl/test/Archives/Archive122.nc M /issm/trunk-jpl/test/Archives/Archive325.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: enthalpydiffusion parameter smoothed BUG: water column stays nonnegative now, minor in drainage function

Change #410 with diff file ISSM-16546-16547.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/SubDomain.cpp M /issm/trunk-jpl/src/c/bamg/VertexOnGeom.cpp
M /issm/trunk-jpl/src/c/kml/KML_Document.cpp M /issm/trunk-jpl/src/c/kml/KML_File.cpp
M /issm/trunk-jpl/src/c/kml/KML_Folder.cpp M /issm/trunk-jpl/src/c/kml/KML_GroundOverlay.cpp
M /issm/trunk-jpl/src/c/kml/KML_Icon.cpp M /issm/trunk-jpl/src/c/kml/KML_LatLonBox.cpp
M /issm/trunk-jpl/src/c/kml/KML_LineString.cpp M /issm/trunk-jpl/src/c/kml/KML_LineStyle.cpp
M /issm/trunk-jpl/src/c/kml/KML_LinearRing.cpp M /issm/trunk-jpl/src/c/kml/KML_MultiGeometry.cpp
M /issm/trunk-jpl/src/c/kml/KML_Placemark.cpp M /issm/trunk-jpl/src/c/kml/KML_Point.cpp
M /issm/trunk-jpl/src/c/kml/KML_PolyStyle.cpp M /issm/trunk-jpl/src/c/kml/KML_Polygon.cpp
M /issm/trunk-jpl/src/c/kml/KML_Style.cpp M /issm/trunk-jpl/src/c/kml/KML_Unknown.cpp
M /issm/trunk-jpl/src/c/modules/KMLFileReadx/KMLFileReadx.cpp M /issm/trunk-jpl/src/c/modules/KMLMeshWritex/KMLMeshWritex.cpp

Export determination: 6.

Rationale: CHG: making compiler happy

Change #411 with diff file ISSM-16547-16548.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.4-greenplanet.sh 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-mpich2-gcc444.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-mpich2-gcc470.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades.sh

Export determination: 6.

Rationale: CHG: switching to 3.4.3 which is more stable

Change #412 with diff file ISSM-16548-16549.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: updating syntax hilighting and fixing hash indentation

Change #413 with diff file ISSM-16549-16550.diff:

Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vimrc
Export determination: 6.
Rationale: CHG: fixing hash indentation

Change #414 with diff file ISSM-16550-16551.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateDataSets.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/ModelProcessorx/
Export determination: 6.
Rationale: DEL: getting rid of CreateDatasets

Change #415 with diff file ISSM-16551-16552.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test120.m M /issm/trunk-jpl/test/NightlyRun/test1208.m
Export determination: 6.
Rationale: CHG: some tolerances NR validation

Change #416 with diff file ISSM-16552-16553.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/IdToName.m
Export determination: 6.
Rationale: BUG: added name to test 702

Change #417 with diff file ISSM-16553-16554.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test702.m
Export determination: 6.
Rationale: CHG: tolerances test702