

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 21724-22754

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: May-10-2018

Document Title/Description: ISSM changes from revision 21724 to revision 22754

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

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

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

Comments: see table of changes below.

Reviewed by ISSM Export Transfer Liaison: Dr. Eric Larour **Date:** May-10-2018

Disposition:

- 1: Public Domain Information (Ref ITAR Section 120.11)
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 - 7: Other (specify)
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Change #1 with diff file ISSM-21724-21725.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added error message output

Change #2 with diff file ISSM-21725-21726.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: put on top text and bar

Change #3 with diff file ISSM-21728-21729.diff:

Function name:

M /issm/trunk-jpl M /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64-static.sh M /issm/trunk-jpl/jenkins/linux64_ross_static M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/package.sh M /issm/trunk-jpl/package.sh M /issm/trunk-jpl/package.sh M /issm/trunk-jpl/src M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/test

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #4 with diff file ISSM-21730-21731.diff:

Function name:
M /issm/trunk-jpl M /issm/trunk-jpl/src M /issm/trunk-jpl/test
Export determination: 6.
Rationale: Block revision 21729 from being merged into trunk-jpl

Change #5 with diff file ISSM-21731-21732.diff:

Function name:
M /issm/trunk-jpl/configure.ac
Export determination: 6.
Rationale: CHG: update version number

Change #6 with diff file ISSM-21736-21737.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/plot_overlay.m
Export determination: 6.
Rationale: CHG: control background to white option.

Change #7 with diff file ISSM-21737-21738.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/plot_unit.m
Export determination: 6.
Rationale: CHG: option to plot NaN faces in white instead of transparent.

Change #8 with diff file ISSM-21738-21739.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputD
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/misfit.m
Export determination: 6.
Rationale: CHG: introducing new way of computing misfit (local==2) in a discretized way.

Change #9 with diff file ISSM-21739-21740.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/frictionhydro.m A /issm/trunk-jpl/src/m/classes/frictionhydro.py

Export determination: 6.

Rationale: NEW: adding a friction effective pressure flag

Change #10 with diff file ISSM-21740-21741.diff:

Function name:

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

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

Export determination: 6.

Rationale: NEW: adding a friction effective pressure flag

Change #11 with diff file ISSM-21741-21742.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: ensure contiguous had to be enabled for the G_elastic and co arrays because they are quite big.

Change #12 with diff file ISSM-21742-21743.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: shield ensureContiguous statement.

Change #13 with diff file ISSM-21743-21744.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed comments

Change #14 with diff file ISSM-21744-21745.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp
Export determination: 6.
Rationale: CHG: misfit output definitions updated + massconaxpby was not compatible with new enum definitions system.

Change #15 with diff file ISSM-21745-21746.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/massconaxpby.m
Export determination: 6.
Rationale: CHG: masscon axpby observation enum now a string.

Change #16 with diff file ISSM-21746-21747.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.h
Export determination: 6.
Rationale: CHG: now possible to retrieve without an vector type.

Change #17 with diff file ISSM-21747-21748.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.h
Export determination: 6.
Rationale: CHG: added element discrete integtraion.

Change #18 with diff file ISSM-21748-21749.diff:
Function name:
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/DoubleArray
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.h M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h
Export determination: 6.
Rationale: CHG: new method to retrieve interpolation type.

Change #19 with diff file ISSM-21749-21750.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: more verbosing.

Change #20 with diff file ISSM-21750-21751.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: more comments.

Change #21 with diff file ISSM-21751-21752.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: add F90 compilation.

Change #22 with diff file ISSM-21752-21753.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core.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/slr.m

Export determination: 6.

Rationale: CHG: introduce steric rate in the SLR solution.

Change #23 with diff file ISSM-21753-21754.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2002.m M /issm/trunk-jpl/test/NightlyRun/test2003.m

Export determination: 6.

Rationale: CHG: new steric rate to take into account.

Change #24 with diff file ISSM-21755-21756.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: steric rate pattern.

Change #25 with diff file ISSM-21760-21761.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: wrong set id for the steric rate.

Change #26 with diff file ISSM-21762-21763.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added Zienkiewicz and Zhu error estimator in the FemModel class for Adaptive Mesh Refinement process. Not totally tested, just keeping the code.

Change #27 with diff file ISSM-21763-21764.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing py plotting when tricontourf does not show extremum values

Change #28 with diff file ISSM-21764-21765.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/localpfe.m

Export determination: 6.

Rationale: CHG: new local class to run generic on pleiades cluster.

Change #29 with diff file ISSM-21765-21766.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing isoceancoupling parameter.

Change #30 with diff file ISSM-21766-21767.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/waitonlock.m

Export determination: 6.

Rationale: CHG: hack for running local pfe.

Change #31 with diff file ISSM-21767-21768.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.6-discover.sh M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/m/classes/clusters/discover.m

Export determination: 6.

Rationale: CHG: update discover for newest build and s1690 accout

Change #32 with diff file ISSM-21768-21769.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.js M /issm/trunk-jpl/src/m/plot/applyoptions.js

M /issm/trunk-jpl/src/m/plot/plot_manager.js M /issm/trunk-jpl/src/m/plot/plot_mesh.js

M /issm/trunk-jpl/src/m/plot/plot_overlay.js M /issm/trunk-jpl/src/m/plot/plot_quiver.js

A /issm/trunk-jpl/src/m/plot/plot_transient_movie.js M /issm/trunk-jpl/src/m/plot/plot_transient_movie.m

M /issm/trunk-jpl/src/m/plot/plot_unit.js M /issm/trunk-jpl/src/m/plot/plotdoc.js

M /issm/trunk-jpl/src/m/plot/processdata.js M /issm/trunk-jpl/src/m/plot/webgl.js

A /issm/trunk-jpl/src/m/plot/webgl_node.js

Export determination: 6.

Rationale: CHG: Updating js plot routines.

Change #33 with diff file ISSM-21769-21770.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/transientrestart.m

Export determination: 6.

Rationale: CHG: optionnaly provide step numer

Change #34 with diff file ISSM-21770-21771.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new pfe file for upgrade to sles12

Change #35 with diff file ISSM-21771-21772.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Try again with newest moduls for sles12 upgrade

Change #36 with diff file ISSM-21772-21773.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/timeadaptation.m M /issm/trunk-jpl/src/m/classes/timestepping.js

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

Export determination: 6.

Rationale: CHG: working on a new time stepping class

Change #37 with diff file ISSM-21773-21774.diff:

Function name:

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

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Create

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

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

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.h

Export determination: 6.

Rationale: CHG: added class to handle constrained adaptive time stepping

Change #38 with diff file ISSM-21774-21775.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: CHG: added some checks

Change #39 with diff file ISSM-21775-21776.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.cpp
Export determination: 6.
Rationale: CHG: fixing a problem with uint8

Change #40 with diff file ISSM-21776-21777.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixing Basile's commit

Change #41 with diff file ISSM-21777-21778.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: CHG: minor

Change #42 with diff file ISSM-21778-21779.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: CHG: minor

Change #43 with diff file ISSM-21779-21780.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.c
Export determination: 6.
Rationale: CHG: fixed Viscous Heating output (was crashing because we are

not looking for the right nodes) and fixed also memory leak

Change #44 with diff file ISSM-21780-21781.diff:

Function name:

M /issm/trunk-jpl/src/m/exp/expcoarsen.m M /issm/trunk-jpl/src/m/exp/expread.m

M /issm/trunk-jpl/src/m/exp/exptool.m

Export determination: 6.

Rationale: CHG: some exp changes, check on NaNs, change header of exp-coarsen for nargin=2, figure copy is a default again

Change #45 with diff file ISSM-21781-21782.diff:

Function name:

M /issm/trunk-jpl/src/m/shp/shp2exp.m

Export determination: 6.

Rationale: CHG: more flexibilty

Change #46 with diff file ISSM-21782-21783.diff:

Function name:

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

Export determination: 6.

Rationale: CHG allow for kmz

Change #47 with diff file ISSM-21783-21784.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: more flexible plot_overlay.m for RGB images

Change #48 with diff file ISSM-21784-21785.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: special case if lat long proj provided

Change #49 with diff file ISSM-21785-21786.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive430.arch A /issm/trunk-jpl/test/NightlyRun/test430.m

Export determination: 6.

Rationale: added grounding line migration test in 2d

Change #50 with diff file ISSM-21786-21787.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive430.arch M /issm/trunk-jpl/test/Archives/Archive435.arch

M /issm/trunk-jpl/test/NightlyRun/test430.m M /issm/trunk-jpl/test/NightlyRun/test435.m

Export determination: 6.

Rationale: minor added basal melt field

Change #51 with diff file ISSM-21787-21788.diff:

Function name:

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

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

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

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

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

M /issm/trunk-jpl/src/m/classes/timestepping.js M /issm/trunk-jpl/src/m/classes/timestepping.m

M /issm/trunk-jpl/src/m/classes/timestepping.py A /issm/trunk-jpl/src/m/classes/timesteppingadaptive.js

A /issm/trunk-jpl/src/m/classes/timesteppingadaptive.m (from /issm/trunk-

jpl/src/m/classes/timeadaptation.m:21786) A /issm/trunk-jpl/src/m/classes/timesteppingadaptive.py

M /issm/trunk-jpl/test/NightlyRun/test226.js M /issm/trunk-jpl/test/NightlyRun/test226.m

M /issm/trunk-jpl/test/NightlyRun/test226.py M /issm/trunk-jpl/test/NightlyRun/test227.js

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

M /issm/trunk-jpl/test/NightlyRun/test323.m M /issm/trunk-jpl/test/NightlyRun/test323.py

M /issm/trunk-jpl/test/NightlyRun/test324.m M /issm/trunk-jpl/test/NightlyRun/test324.py

M /issm/trunk-jpl/test/NightlyRun/test4001.m

Export determination: 6.

Rationale: NEW: created new class for time adaptation

Change #52 with diff file ISSM-21788-21789.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/mask.m
Export determination: 6.
Rationale: CHG: removed arning for ice front missing, it has been more than 2 years now

Change #53 with diff file ISSM-21789-21790.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #54 with diff file ISSM-21790-21791.diff:

Function name:
A /issm/trunk-jpl/test/Archives/Archive441.arch A /issm/trunk-jpl/test/Archives/Archive442.arch
A /issm/trunk-jpl/test/NightlyRun/test441.m A /issm/trunk-jpl/test/NightlyRun/test442.m
Export determination: 6.
Rationale: NEW: additional tests to test melting subelement

Change #55 with diff file ISSM-21791-21792.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/BamgVertex.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/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/bamg/det.h M /issm/trunk-jpl/src/c/bamg/typedefs.h
Export determination: 6.
Rationale: CHG: getting rid of IcoorX

Change #56 with diff file ISSM-21792-21793.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp
Export determination: 6.
Rationale: CHG: no more Icoor

Change #57 with diff file ISSM-21793-21794.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

Export determination: 6.

Rationale: NEW: missing enum

Change #58 with diff file ISSM-21794-21795.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: included improved treatment of melting under partially floating elements

Change #59 with diff file ISSM-21795-21796.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: updating tolerances in test

Change #60 with diff file ISSM-21796-21797.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: minor tolerances

Change #61 with diff file ISSM-21797-21798.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: confusion between CG and DG

Change #62 with diff file ISSM-21798-21799.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: confusion between floating and grounded

Change #63 with diff file ISSM-21799-21800.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/cores/depthaverage_core.cpp
M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp M /issm/trunk-jpl/src/c/cores/extrudefromtop_core.cpp
Export determination: 6.
Rationale: BUG: fixed huge leak for output_frequency !=1

Change #64 with diff file ISSM-21800-21801.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive409.arch M /issm/trunk-jpl/test/Archives/Archive426.arch
M /issm/trunk-jpl/test/Archives/Archive427.arch M /issm/trunk-jpl/test/Archives/Archive430.arch
M /issm/trunk-jpl/test/Archives/Archive435.arch M /issm/trunk-jpl/test/Archives/Archive439.arch
M /issm/trunk-jpl/test/Archives/Archive441.arch M /issm/trunk-jpl/test/Archives/Archive442.arch
M /issm/trunk-jpl/test/Archives/Archive505.arch M /issm/trunk-jpl/test/Archives/Archive506.arch
M /issm/trunk-jpl/test/Archives/Archive507.arch M /issm/trunk-jpl/test/Archives/Archive802.arch
M /issm/trunk-jpl/test/Archives/Archive803.arch M /issm/trunk-jpl/test/Archives/Archive805.arch
M /issm/trunk-jpl/test/NightlyRun/test430.m M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: updated archives with improved melt calculation under partially floating cells

Change #65 with diff file ISSM-21801-21802.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test442.m
Export determination: 6.
Rationale: CHG: tolerances new tests

Change #66 with diff file ISSM-21802-21803.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/bamg/BamgOpts.cpp

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp A /issm/trunk-jpl/src/c/classes/AmrBamg.cpp
 A /issm/trunk-jpl/src/c/classes/AmrBamg.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/IoModel.cpp
 M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2
 M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp M
 /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString
 M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/
 M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.h M /issm/trunk-
 jpl/src/m/classes/amr.m A /issm/trunk-jpl/src/m/classes/amrbamg.m M /issm/trunk-
 jpl/src/m/classes/trans.js M /issm/trunk-jpl/src/m/classes/transient.m M /issm/trunk-
 jpl/src/m/classes/transient.py
 Export determination: 6.
 Rationale: CHG: working on bamg amr

Change #67 with diff file ISSM-21803-21804.diff:

Function name:
 M /issm/trunk-jpl/src/c/classes/FemModel.cpp
 Export determination: 6.
 Rationale: CHG: minor

Change #68 with diff file ISSM-21804-21805.diff:

Function name:
 M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp
 Export determination: 6.
 Rationale: BUG: fixed amr bamgss

Change #69 with diff file ISSM-21805-21806.diff:

Function name:
 M /issm/trunk-jpl/src/m/plot/plotmodel.m
 Export determination: 6.
 Rationale: CHG: adding Byron's settings to figureposition

Change #70 with diff file ISSM-21806-21807.diff:

Function name:
 M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-

jpl/src/c/classes/AdaptiveMeshRefinement.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/StringToEnumx.cpp
M /issm/trunk-jpl/src/m/contrib/tsantos/AMRexportVTK.m
Export determination: 6.
Rationale: CHG: added error estimator for thickness, adjuted AMR with NeoPZ.
Working with unrefinement and delete element process.

Change #71 with diff file ISSM-21807-21808.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: updating tolerances

Change #72 with diff file ISSM-21808-21809.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Massfluxatgate.h A /issm/trunk-jpl/src/c/classes/Regionaloutput.h
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputL
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/masscon
M /issm/trunk-jpl/src/m/classes/massconaxpby.m M /issm/trunk-jpl/src/m/classes/massfluxatgate.m
M /issm/trunk-jpl/src/m/classes/massfluxatgate.py M /issm/trunk-jpl/src/m/classes/model.m
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/outputdefinition.m
M /issm/trunk-jpl/src/m/classes/outputdefinition.py A /issm/trunk-jpl/src/m/classes/regionaloutput.m
A /issm/trunk-jpl/src/m/classes/regionaloutput.py

Export determination: 6.

Rationale: Add capability for regional output definitions

Change #73 with diff file ISSM-21809-21810.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBforcing.m M /issm/trunk-jpl/src/m/classes/misfit.m

Export determination: 6.

Rationale: CHG: add an extrude function for misfit output def

Change #74 with diff file ISSM-21810-21811.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: revert SMBforcing compressed mat back for now

Change #75 with diff file ISSM-21811-21812.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: Add FloatingArea as a regional output

Change #76 with diff file ISSM-21812-21813.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: done with metric

Change #77 with diff file ISSM-21813-21814.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.7-aci.sh

Export determination: 6.

Rationale: NEW: added aci installation script

Change #78 with diff file ISSM-21814-21815.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.7-aci.sh

Export determination: 6.

Rationale: CHG: fixed script

Change #79 with diff file ISSM-21815-21816.diff:

Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.7-aci.sh
Export determination: 6.
Rationale: CHG: fixed script

Change #80 with diff file ISSM-21816-21817.diff:

Function name:
M /issm/trunk-jpl/configure.ac
Export determination: 6.
Rationale: CHG: check for ifort first for fcc

Change #81 with diff file ISSM-21817-21818.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test442.m
Export determination: 6.
Rationale: CHG: tolerances again

Change #82 with diff file ISSM-21818-21819.diff:

Function name:
A /issm/trunk-jpl/src/m/classes/clusters/aci.m
Export determination: 6.
Rationale: CHG: added ACI cluster class

Change #83 with diff file ISSM-21819-21820.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: add output definitions as options for Responsex

Change #84 with diff file ISSM-21820-21821.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive426.arch A /issm/trunk-jpl/test/Archives/Archive443.arch
A /issm/trunk-jpl/test/Archives/Archive444.arch M /issm/trunk-jpl/test/NightlyRun/test408.m

M /issm/trunk-jpl/test/NightlyRun/test426.m A /issm/trunk-jpl/test/NightlyRun/test443.m
A /issm/trunk-jpl/test/NightlyRun/test444.m
Export determination: 6.
Rationale: NEW: add testing for regional outputs, test for output frequency ω ,
1, and test extrude/collapse of regional output

Change #85 with diff file ISSM-21821-21822.diff:
Function name:
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp
Export determination: 6.
Rationale: CHG: fixed NR

Change #86 with diff file ISSM-21822-21823.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: fixed leak in amr

Change #87 with diff file ISSM-21823-21824.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive426.arch M /issm/trunk-jpl/test/Archives/Archive443.arch
Export determination: 6.
Rationale: CHG: fix the archives from last checkin created from branched code

Change #88 with diff file ISSM-21824-21825.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/contourlevelzero.m M /issm/trunk-jpl/src/m/plot/plot_contour.m
Export determination: 6.
Rationale: CHG: Enables detection of level 0 on domain edge

Change #89 with diff file ISSM-21825-21826.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test426.py

Export determination: 6.

Rationale: CHG: update the 426 python to include IceMAss

Change #90 with diff file ISSM-21826-21827.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matestar.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 M /issm/trunk-jpl/src/c/shared/Elements/EstarCompor

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

Export determination: 6.

Rationale: BUG: made eps_eff for viscosity calculation consistent between mat-ice and matestar

Change #91 with diff file ISSM-21827-21828.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/regionaloutput.py M /issm/trunk-jpl/test/Archives/Archive443.arch

M /issm/trunk-jpl/test/NightlyRun/test408.py M /issm/trunk-jpl/test/NightlyRun/test443.m

A /issm/trunk-jpl/test/NightlyRun/test443.py

Export determination: 6.

Rationale: CHG: add a python test for 443, regional output

Change #92 with diff file ISSM-21828-21829.diff:

Function name:

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

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

M /issm/trunk-jpl/src/m/kml/kmlimagesc.m M /issm/trunk-jpl/src/m/miscellaneous/diagnostics.m

M /issm/trunk-jpl/src/m/modules/InterpFromMeshToGrid.m M /issm/trunk-

jpl/src/m/modules/InterpFromMeshToGrid.py M /issm/trunk-jpl/src/m/plot/kmlgridded.m

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

M /issm/trunk-jpl/src/m/plot/plot_overlay.m M /issm/trunk-jpl/src/wrappers/InterpFromMeshToGrid/Interp

M /issm/trunk-jpl/src/wrappers/InterpFromMeshToGrid/InterpFromMeshToGrid.h

Export determination: 6.

Rationale: CHG: simplified the arguments of InterpFromMeshToGrid

Change #93 with diff file ISSM-21829-21830.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix windows build

Change #94 with diff file ISSM-21830-21831.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #95 with diff file ISSM-21831-21832.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add executable to issm call for dakota

Change #96 with diff file ISSM-21832-21833.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed destructor of FemModel with amr

Change #97 with diff file ISSM-21833-21834.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: update tolerances

Change #98 with diff file ISSM-21834-21835.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: fixed output formatting of python

Change #99 with diff file ISSM-21835-21836.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test505.py
Export determination: 6.
Rationale: CHG: adjusting tolerances so that they are the same as MATLAB's

Change #100 with diff file ISSM-21836-21837.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/runme.py
Export determination: 6.
Rationale: CHG: fixed one isscalar

Change #101 with diff file ISSM-21837-21838.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/bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/bamg/BamgOpts.h
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/Mesh.h
M /issm/trunk-jpl/src/c/bamg/Triangle.cpp M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp
M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp
Export determination: 6.
Rationale: CHG: added some checks on Fortran and isivins

Change #102 with diff file ISSM-21838-21839.diff:
Function name:
M /issm/trunk-jpl/src/c/bamg/BamgOpts.cpp M /issm/trunk-jpl/src/c/bamg/BamgOpts.h
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/Mesh.h
M /issm/trunk-jpl/src/c/bamg/Triangle.cpp M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp
M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp
Export determination: 6.
Rationale: CHG: reverting bamg tests

Change #103 with diff file ISSM-21839-21840.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test324.m M /issm/trunk-jpl/test/NightlyRun/test324.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #104 with diff file ISSM-21840-21841.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: added some checks

Change #105 with diff file ISSM-21841-21842.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test293.m M /issm/trunk-jpl/test/NightlyRun/test315.m

M /issm/trunk-jpl/test/NightlyRun/test315.py M /issm/trunk-jpl/test/NightlyRun/test316.m

M /issm/trunk-jpl/test/NightlyRun/test316.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #106 with diff file ISSM-21842-21843.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: removing dakota

Change #107 with diff file ISSM-21843-21844.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #108 with diff file ISSM-21844-21845.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix AD:

Change #109 with diff file ISSM-21845-21846.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResult.h

Export determination: 6.

Rationale: CHG: fixing AD (no need to have a specialization for int*)

Change #110 with diff file ISSM-21846-21847.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD (no need to have a specialization for int*)

Change #111 with diff file ISSM-21847-21848.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp

M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.h

Export determination: 6.

Rationale: CHG: fixing AD

Change #112 with diff file ISSM-21848-21849.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #113 with diff file ISSM-21849-21850.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #114 with diff file ISSM-21850-21851.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: CHG: fixing AD

Change #115 with diff file ISSM-21851-21852.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #116 with diff file ISSM-21852-21853.diff:

Function name:

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

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

M /issm/trunk-jpl/src/m/classes/clusters/localpfe.m A /issm/trunk-jpl/src/m/solve/solveiceocean.m

Export determination: 6.

Rationale: NEW: starting to implement direct ocean coupling

Change #117 with diff file ISSM-21853-21854.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: number of ocean processors

Change #118 with diff file ISSM-21854-21855.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: fixing AD

Change #119 with diff file ISSM-21855-21856.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: do not compile BamgAmr if adolc is on

Change #120 with diff file ISSM-21856-21857.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.cpp
M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/InterpFromMeshToMesh2dx.h
Export determination: 6.
Rationale: CHG: back to double

Change #121 with diff file ISSM-21857-21858.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: CHG: shielding AMR stuff from adolc

Change #122 with diff file ISSM-21858-21859.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: shielding AMR stuff from adolc

Change #123 with diff file ISSM-21859-21860.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: fixing ADOLC/AMR compilation

Change #124 with diff file ISSM-21860-21861.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing ADOLC/AMR compilation

Change #125 with diff file ISSM-21861-21862.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: CHG: fixing adolc

Change #126 with diff file ISSM-21862-21863.diff:

Function name:

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

Export determination: 6.

Rationale: updated cluster script (ocean runs) for pleiades upgrade

Change #127 with diff file ISSM-21863-21864.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ampi

Export determination: 6.

Rationale: CHG: trying one more flag

Change #128 with diff file ISSM-21864-21865.diff:

Function name:

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

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/Mesh.h

M /issm/trunk-jpl/src/c/bamg/Triangle.cpp M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp

M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp M /issm/trunk-jpl/src/m/mesh/bamg.m

M /issm/trunk-jpl/src/m/mesh/bamg.py M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp

M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp
Export determination: 6.
Rationale: NEW: no more random seed in bamg, no more MaxCornerAngle and geometrical metric

Change #129 with diff file ISSM-21865-21866.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/BamgVertex.cpp M /issm/trunk-jpl/src/c/bamg/BamgVertex.h
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/Mesh.cpp
M /issm/trunk-jpl/src/c/bamg/Mesh.h D /issm/trunk-jpl/src/c/shared/Bamg/BinaryRand.h
M /issm/trunk-jpl/src/c/shared/Bamg/shared.h

Export determination: 6.

Rationale: CHG: getting rid of BinaryRand

Change #130 with diff file ISSM-21866-21867.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: fixing server for now

Change #131 with diff file ISSM-21867-21868.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no more qualite function

Change #132 with diff file ISSM-21868-21869.diff:

Function name:

A /issm/trunk-jpl/test/ggg2

Export determination: 6.

Rationale:

Change #133 with diff file ISSM-21869-21870.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: back to https server

Change #134 with diff file ISSM-21870-21871.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive119.arch M /issm/trunk-jpl/test/Archives/Archive514.arch

M /issm/trunk-jpl/test/Archives/Archive701.arch M /issm/trunk-jpl/test/Archives/Archive702.arch

M /issm/trunk-jpl/test/Archives/Archive703.arch

Export determination: 6.

Rationale: CHG: new tests now that bamg has changed

Change #135 with diff file ISSM-21871-21872.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan M /issm/trunk-jpl/jenkins/linux64_ross

M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/linux64_ross_python

M /issm/trunk-jpl/jenkins/linux64_ross_static M /issm/trunk-jpl/jenkins/linux64_ross_test

M /issm/trunk-jpl/jenkins/macosex_pine-island M /issm/trunk-jpl/jenkins/macosex_pine-island_dakota_static

Export determination: 6.

Rationale: CHG: adding more tests

Change #136 with diff file ISSM-21872-21873.diff:

Function name:

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

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

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

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

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

M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h
Export determination: 6.
Rationale: CHG: better way to depth average + some clean up

Change #137 with diff file ISSM-21873-21874.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added support for friction law 9

Change #138 with diff file ISSM-21874-21875.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed coupling param missing for friction 9

Change #139 with diff file ISSM-21875-21876.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed coupling param missing for friction 9

Change #140 with diff file ISSM-21876-21877.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

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

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

Export determination: 6.

Rationale: CHG: cleaned up some memory leaks during copy

Change #141 with diff file ISSM-21877-21878.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test514.m M /issm/trunk-jpl/test/NightlyRun/test514.py
Export determination: 6.
Rationale: CHG: no more geometrical metric

Change #142 with diff file ISSM-21878-21879.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp
Export determination: 6.
Rationale: BUG: use correct size of array in delete loop

Change #143 with diff file ISSM-21879-21880.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: relaxed tol

Change #144 with diff file ISSM-21880-21881.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test343.m
Export determination: 6.
Rationale: CHG: relaxed tolerance

Change #145 with diff file ISSM-21881-21882.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp
Export determination: 6.
Rationale: CHG: fixed for old versions of MATLAB

Change #146 with diff file ISSM-21882-21883.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: forgot to retrieve migration style

Change #147 with diff file ISSM-21883-21884.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixinf non initialized variables

Change #148 with diff file ISSM-21884-21885.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: exclude 119 for now

Change #149 with diff file ISSM-21885-21886.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive430.arch M /issm/trunk-jpl/test/Archives/Archive431.arch

M /issm/trunk-jpl/test/Archives/Archive441.arch M /issm/trunk-jpl/test/Archives/Archive442.arch

M /issm/trunk-jpl/test/Archives/Archive802.arch M /issm/trunk-jpl/test/Archives/Archive803.arch

M /issm/trunk-jpl/test/Archives/Archive805.arch

Export determination: 6.

Rationale: NEW: archives with improved melt param

Change #150 with diff file ISSM-21886-21887.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: BUG: fixed GetSolutionFromInputs for higher order elements

Change #151 with diff file ISSM-21887-21888.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test442.m
Export determination: 6.
Rationale: CHG: minor toleratnces 442

Change #152 with diff file ISSM-21888-21889.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive435.arch M /issm/trunk-jpl/test/NightlyRun/test119.m
M /issm/trunk-jpl/test/NightlyRun/test442.m
Export determination: 6.
Rationale: CHG: saved archive and relaxed tol

Change #153 with diff file ISSM-21889-21890.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
Export determination: 6.
Rationale: BUG: fixed potential segmentation fault

Change #154 with diff file ISSM-21890-21891.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: yet another problem fixed with melting

Change #155 with diff file ISSM-21891-21892.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: removed printf

Change #156 with diff file ISSM-21892-21893.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.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/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussTria.h
Export determination: 6.
Rationale: BUG: fixed subelement migration 2

Change #157 with diff file ISSM-21893-21894.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive430.arch M /issm/trunk-jpl/test/Archives/Archive435.arch
M /issm/trunk-jpl/test/Archives/Archive441.arch M /issm/trunk-jpl/test/Archives/Archive442.arch

Export determination: 6.

Rationale: NEW: Archives improved subelement migration

Change #158 with diff file ISSM-21894-21895.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: extrude melt rates to avoid error

Change #159 with diff file ISSM-21895-21896.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Enables iomodel to read patches

Change #160 with diff file ISSM-21896-21897.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: minor tolerances

Change #161 with diff file ISSM-21897-21898.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h
Export determination: 6.
Rationale: CHG: added Max function for Seg

Change #162 with diff file ISSM-21898-21899.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
Export determination: 6.
Rationale: CHG: added Max function for Seg

Change #163 with diff file ISSM-21899-21900.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp
Export determination: 6.
Rationale: CHG: no need to get domain type

Change #164 with diff file ISSM-21900-21901.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
Export determination: 6.
Rationale: BUG: assert was not at the right position

Change #165 with diff file ISSM-21901-21902.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: minor tolerance test435

Change #166 with diff file ISSM-21902-21903.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive437.arch
Export determination: 6.

Rationale: CHG: minor updated Archive 437 for new thermal interpolation

Change #167 with diff file ISSM-21903-21904.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test435.m

Export determination: 6.

Rationale: CHG: minor tolerances

Change #168 with diff file ISSM-21904-21905.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test442.m

Export determination: 6.

Rationale: CHG: added Max function for Seg

Change #169 with diff file ISSM-21905-21906.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh M /issm/trunk-jpl/externalpackages/scotch/scotch.patch

M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/m/partition/partitioner.m

Export determination: 6.

Rationale: CHG: minor updates for scotch package

Change #170 with diff file ISSM-21906-21907.diff:

Function name:

M /issm/trunk-jpl/etc/environment.csh

Export determination: 6.

Rationale: CHG: also update for scotch csh

Change #171 with diff file ISSM-21907-21908.diff:

Function name:

A /issm/trunk-jpl/externalpackages/scotch/Makefile.inc.mac A /issm/trunk-jpl/externalpackages/scotch/insta

Export determination: 6.

Rationale: CHG: fix scotch compile on macs

Change #172 with diff file ISSM-21908-21909.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.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/cores/sealevelrise_core.cpp M /issm/trunk-jpl/src/c/cores/sealevelrise_core_noneustat

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: extract components of moment of inertia tensor

Change #173 with diff file ISSM-21909-21910.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test437.m

Export determination: 6.

Rationale: CHG: minor tol

Change #174 with diff file ISSM-21910-21911.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.cpp

Export determination: 6.

Rationale: BUG: fixed problem with double declaration in M1Qn3

Change #175 with diff file ISSM-21911-21912.diff:

Function name:

M /issm/trunk-jpl/src/m/array/arrayoperations.js M /issm/trunk-jpl/src/m/classes/clusters/generic.js

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

M /issm/trunk-jpl/src/m/plot/plot_overlay.js M /issm/trunk-jpl/src/m/plot/plot_quiver.js

M /issm/trunk-jpl/src/m/plot/plot_unit.js M /issm/trunk-jpl/src/m/plot/webgl.js

M /issm/trunk-jpl/src/m/plot/webgl_node.js M /issm/trunk-jpl/src/m/solve/WriteData.js

Export determination: 6.

Rationale: CHG: Updating js scripts.

Change #176 with diff file ISSM-21912-21913.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.cpp M /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.h

Export determination: 6.
Rationale: CHG: fixed M1qn3

Change #177 with diff file ISSM-21913-21914.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.cpp
Export determination: 6.
Rationale: CHG: minor

Change #178 with diff file ISSM-21914-21915.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG: minor pfe ocean build

Change #179 with diff file ISSM-21915-21916.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp M /issm/trunk-jpl/src/c/bamg/BamgVertex.cpp
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/GenericExternalResults.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.h
M /issm/trunk-jpl/src/c/classes/Params/StringParam.cpp M /issm/trunk-jpl/src/c/classes/kriging/Observation.cpp
M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetx.cpp M /issm/trunk-jpl/src/c/modules/MeshProfileIntersectionx/MeshProfileIntersectionx.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-jpl/src/c/shared/Sorting/binary_search.cpp
Export determination: 6.
Rationale: CHG: some cppcheck changes

Change #180 with diff file ISSM-21916-21917.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: FIX: minor else condition missing

Change #181 with diff file ISSM-21917-21918.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.h M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m

M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py

Export determination: 6.

Rationale: CHG: add capability for more than one climatology to be passed in

Change #182 with diff file ISSM-21918-21919.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test436.m

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #183 with diff file ISSM-21919-21920.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/classes/AmrBamg.h M /issm/trunk-jpl/src/c/classes/Elements/Element.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/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/amrbamg.m

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

Export determination: 6.

Rationale: NEW: adaptive mesh refinement with Bamg for grounding line and ice front dynamics

Change #184 with diff file ISSM-21920-21921.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed compilation errors, fmod needs floating points

Change #185 with diff file ISSM-21921-21922.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #186 with diff file ISSM-21922-21923.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_javascript M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: install GSL first, and then emstruc truc, and removed some tests from windows

Change #187 with diff file ISSM-21923-21924.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #188 with diff file ISSM-21924-21925.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive3015.arch M /issm/trunk-jpl/test/NightlyRun/test3015.m

Export determination: 6.

Rationale: CHG: Updating archives for test3015

Change #189 with diff file ISSM-21925-21926.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #190 with diff file ISSM-21926-21927.diff:

Function name:

M /issm/trunk-jpl/externalpackages/emscripten/install.sh M /issm/trunk-jpl/jenkins/jenkins.sh

M /issm/trunk-jpl/jenkins/linux64_ross_javascript M /issm/trunk-jpl/src/m/Makefile.am
Export determination: 6.
Rationale: CHG: Addressing JS compilation issues.

Change #191 with diff file ISSM-21927-21928.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive444.arch M /issm/trunk-jpl/test/NightlyRun/test444.m
Export determination: 6.
Rationale: add tests for regional dakota

Change #192 with diff file ISSM-21928-21929.diff:
Function name:
M /issm/trunk-jpl/externalpackages/emscripten/install.sh M /issm/trunk-jpl/externalpackages/gsl/install-javascript.sh M /issm/trunk-jpl/externalpackages/triangle/install-javascript.sh
Export determination: 6.
Rationale: CHG: Explicitly sourcing emscripten for gsl and triangle before compilation.

Change #193 with diff file ISSM-21929-21930.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: Sourcing emscripten envvars during jenkins JS compilation.

Change #194 with diff file ISSM-21930-21931.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp M /issm/trunk-jpl/src/c/classes/AmrBamg.h
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessor/CreatePa
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/amrbamg.m
Export determination: 6.
Rationale: CHG: added gradation option to the adaptive mesh refinement with
bamg

Change #195 with diff file ISSM-21931-21932.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.h
D /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.cpp D /issm/trunk-jpl/src/c/analyses/MeshdeformationAnalysis.h M /issm/trunk-jpl/src/c/analyses/analyses.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/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.h D /issm/trunk-jpl/src/c/cores/meshdeformation_core.cpp
M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetxt.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Numerics/GaussPoints.h
M /issm/trunk-jpl/src/c/shared/Numerics/GaussPoints.h

Export determination: 6.

Rationale: CHG: some cleanup from cppcheck

Change #196 with diff file ISSM-21932-21933.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some cleanup from cppcheck

Change #197 with diff file ISSM-21933-21934.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: use plot instead of plot3

Change #198 with diff file ISSM-21934-21935.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow valgrind on mac for issm_dakota

Change #199 with diff file ISSM-21935-21936.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow to change friction and timestepping

Change #200 with diff file ISSM-21936-21937.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/StringArrayParam.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #201 with diff file ISSM-21937-21938.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive444.arch M /issm/trunk-jpl/test/NightlyRun/test444.m

Export determination: 6.

Rationale: CHG: update number of partitions so that mac is identical to linux

Change #202 with diff file ISSM-21938-21939.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test224.js M /issm/trunk-jpl/test/NightlyRun/test224.m

M /issm/trunk-jpl/test/NightlyRun/test224.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #203 with diff file ISSM-21939-21940.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: yts problem resolved for deltathickness time series

Change #204 with diff file ISSM-21940-21941.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_se
Export determination: 6.
Rationale: CHG: run on 1 cpu only

Change #205 with diff file ISSM-21941-21942.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/gmtmask.m
Export determination: 6.
Rationale: CHG: file renaming

Change #206 with diff file ISSM-21942-21943.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/gmtmask.m
Export determination: 6.
Rationale: CHG: further renaming of the txt files

Change #207 with diff file ISSM-21943-21944.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2002.py
Export determination: 6.
Rationale: CHG: minor

Change #208 with diff file ISSM-21944-21945.diff:
Function name:
M /issm/trunk-jpl/jenkins/javascript/karma/index.html M /issm/trunk-jpl/jenkins/javascript/karma/karma.c
D /issm/trunk-jpl/jenkins/javascript/karma/lib D /issm/trunk-jpl/jenkins/javascript/karma/node_modules
M /issm/trunk-jpl/jenkins/javascript/karma/scripts/runscript.js D /issm/trunk-
jpl/jenkins/javascript/karma/spec
Export determination: 6.
Rationale: CHG: Updating javascript testing files

Change #209 with diff file ISSM-21945-21946.diff:
Function name:

M /issm/trunk-jpl/src/m/Makefile.am M /issm/trunk-jpl/src/m/classes/friction.js
M /issm/trunk-jpl/src/m/classes/model.js M /issm/trunk-jpl/src/m/classes/trans.js
Export determination: 6.
Rationale: CHG: Updating model.js with esa and amr fields. Updating friction.js with coupling and effective_pressure handling.

Change #210 with diff file ISSM-21946-21947.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: some minor but systematic improvements to slr rotational feedback

Change #211 with diff file ISSM-21947-21948.diff:
Function name:
A /issm/trunk-jpl/test/NightlyRun/test2010.m
Export determination: 6.
Rationale: NEW: new test for moment of inertia

Change #212 with diff file ISSM-21948-21949.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive2010.arch
Export determination: 6.
Rationale: NEW: archiving test2010 results

Change #213 with diff file ISSM-21949-21950.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/slr.py
Export determination: 6.
Rationale: CHG: steric_rate defined

Change #214 with diff file ISSM-21950-21951.diff:
Function name:

M /issm/trunk-jpl/test/Archives/Archive2010.arch
Export determination: 6.
Rationale: CHG: archive updated to resolve mac vs linux issue with gmsh mesh

Change #215 with diff file ISSM-21951-21952.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: relaxing tolerances

Change #216 with diff file ISSM-21952-21953.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp A /issm/trunk-jpl/test/Archives/Archive462.arch
A /issm/trunk-jpl/test/Archives/Archive463.arch A /issm/trunk-jpl/test/Archives/Archive464.arch
A /issm/trunk-jpl/test/Archives/Archive465.arch A /issm/trunk-jpl/test/NightlyRun/test462.m
A /issm/trunk-jpl/test/NightlyRun/test463.m A /issm/trunk-jpl/test/NightlyRun/test464.m
A /issm/trunk-jpl/test/NightlyRun/test465.m
Export determination: 6.
Rationale: NEW: added test files to check AMR_Bamg capability

Change #217 with diff file ISSM-21953-21954.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: minor

Change #218 with diff file ISSM-21954-21955.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: after jenkins upgrade, list of modified files has a different format

Change #219 with diff file ISSM-21955-21956.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive462.arch M /issm/trunk-jpl/test/Archives/Archive463.arch
M /issm/trunk-jpl/test/Archives/Archive464.arch M /issm/trunk-jpl/test/Archives/Archive465.arch
M /issm/trunk-jpl/test/NightlyRun/test462.m M /issm/trunk-jpl/test/NightlyRun/test463.m
M /issm/trunk-jpl/test/NightlyRun/test464.m M /issm/trunk-jpl/test/NightlyRun/test465.m

Export determination: 6.

Rationale: CHG: changed final time to compare the tests

Change #220 with diff file ISSM-21956-21957.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive462.arch M /issm/trunk-jpl/test/Archives/Archive464.arch
M /issm/trunk-jpl/test/NightlyRun/test463.m M /issm/trunk-jpl/test/NightlyRun/test465.m

Export determination: 6.

Rationale: CHG: relaxed tolerances and saved archive (Thiago does not know yet why his archives are different)

Change #221 with diff file ISSM-21957-21958.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/runme.m M /issm/trunk-jpl/test/NightlyRun/test220.js
M /issm/trunk-jpl/test/NightlyRun/test220.m

Export determination: 6.

Rationale: CHG: silencing some verbose

Change #222 with diff file ISSM-21958-21959.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: enable plot for amr

Change #223 with diff file ISSM-21959-21960.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows M /issm/trunk-jpl/test/NightlyRun/test227.js
M /issm/trunk-jpl/test/NightlyRun/test227.m M /issm/trunk-jpl/test/NightlyRun/test227.py

Export determination: 6.

Rationale: CHG: relaxed tolerances and exclude AMR tests from windows

Change #224 with diff file ISSM-21960-21961.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_static

Export determination: 6.

Rationale: CHG: missing mpifort library

Change #225 with diff file ISSM-21962-21963.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #226 with diff file ISSM-21963-21964.diff:

Function name:

M /issm/trunk-jpl/externalpackages/emscripten/install.sh M /issm/trunk-jpl/externalpackages/gsl/install-javascript.sh M /issm/trunk-jpl/externalpackages/triangle/install-javascript.sh

Export determination: 6.

Rationale: CHG: Updating emscripten install directory to avoid reinstallation on jenkins build. Fixing gsl JS unesolved symbols during linking with `-disable-shared` option.

Change #227 with diff file ISSM-21964-21965.diff:

Function name:

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

Export determination: 6.

Rationale: NEW:adding a bypass for unconfined scheme (transitory for nondev use

Change #228 with diff file ISSM-21965-21966.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test301.py M /issm/trunk-jpl/test/NightlyRun/test330.m

M /issm/trunk-jpl/test/NightlyRun/test330.py

Export determination: 6.

Rationale: NEW:adding a bypass for unconfined scheme (transitory for nondev use)

Change #229 with diff file ISSM-21966-21967.diff:

Function name:

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

Export determination: 6.

Rationale: NEW:adding a bypass for unconfined scheme (transitory for nondev use)

Change #230 with diff file ISSM-21967-21968.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update discover cluster for newest run constraints

Change #231 with diff file ISSM-21968-21969.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/code/packages.conf

Export determination: 6.

Rationale: BUG: missing file for MITgcm NR

Change #232 with diff file ISSM-21969-21970.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4001.m

Export determination: 6.

Rationale: BUG: fixed ice ocean test (where to compile the MITgcm)

Change #233 with diff file ISSM-21970-21971.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive4001.arch
Export determination: 6.
Rationale: CHG: updated ice/ocean archive

Change #234 with diff file ISSM-21974-21975.diff:

Function name:
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/DoubleArrayInput.h M /issm/trunk-
jpl/src/c/classes/Inputs/DoubleInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DoubleInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/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 M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.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: CHG: some cleanup

Change #235 with diff file ISSM-21975-21976.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh R /issm/trunk-jpl/jenkins/linux64_ross_javascript
(from /issm/trunk-jpl/jenkins/linux64_ross_javascript:21974)
Export determination: 6.
Rationale: CHG: Fixing emscripten install path in jenkins.sh. Removing opti-
mizations from lin_ross_javascript for now.

Change #236 with diff file ISSM-21976-21977.diff:

Function name:
R /issm/trunk-jpl/externalpackages/gsl/install-javascript.sh (from /issm/trunk-
jpl/externalpackages/gsl/install-javascript.sh:21974) M /issm/trunk-jpl/externalpackages/triangle/install-
javascript.sh
Export determination: 6.
Rationale: CHG: Explicit compiler declaration for triangle JS installs.

Change #237 with diff file ISSM-21977-21978.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

Export determination: 6.

Rationale: CHG: adding necessary enums for the LOVE core.

Change #238 with diff file ISSM-21978-21979.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed step numbering in transient_core (needed to use ceil rather than floor)

Change #239 with diff file ISSM-21979-21980.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: love solution check

Change #240 with diff file ISSM-21980-21981.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: love solution check

Change #241 with diff file ISSM-21981-21982.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2084.m

Export determination: 6.

Rationale: CHG: new nightly test2084, not hooked up yet.

Change #242 with diff file ISSM-21982-21983.diff:

Function name:
M /issm/trunk-jpl/m4/analyses.m4
Export determination: 6.
Rationale: CHG:added love solution hookup.

Change #243 with diff file ISSM-21983-21984.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp
Export determination: 6.
Rationale: CHG: return if not ice

Change #244 with diff file ISSM-21984-21985.diff:
Function name:
A /issm/trunk-jpl/externalpackages/cython/install-26.sh
Export determination: 6.
Rationale: CHG: new 26 installer.

Change #245 with diff file ISSM-21985-21986.diff:
Function name:
D /issm/trunk-jpl/test/NightlyRun/test2084.m
Export determination: 6.
Rationale: CHG: test 2084 deleted for now

Change #246 with diff file ISSM-21986-21987.diff:
Function name:
A /issm/trunk-jpl/configs/config-linux64-stallo.sh
Export determination: 6.
Rationale: NEW:Stallo's configure file

Change #247 with diff file ISSM-21987-21988.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/clusters/stallo.py
Export determination: 6.

Rationale: NEW:Stallo's cluster file

Change #248 with diff file ISSM-21988-21989.diff:

Function name:

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

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

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

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

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

Export determination: 6.

Rationale: CHG: seems like mat_type should now be mpiaij, otherwise we get weird errors like sevfaults or Must call MatXXXSetPreallocation() or MatSetUp() on argument 1 mat before MatSetValues()

Change #249 with diff file ISSM-21989-21990.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/fielddisplay.m

Export determination: 6.

Rationale: CHG: allow for 3d/4d matrices

Change #250 with diff file ISSM-21990-21991.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: solver for windows

Change #251 with diff file ISSM-21991-21992.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow googlemaps to be passed zoom as first argument

Change #252 with diff file ISSM-21992-21993.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/calvingminthickness.m
Export determination: 6.
Rationale: CHG: cosmetics

Change #253 with diff file ISSM-21993-21994.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/manualcb.m
Export determination: 6.
Rationale: CHG: allow for different font color

Change #254 with diff file ISSM-21994-21995.diff:

Function name:
D /issm/trunk-jpl/configs/config-linux64-hexagon.sh D /issm/trunk-jpl/configs/config-linux64-stallo.sh D /issm/trunk-jpl/configs/config-linux64-vilje.sh
Export determination: 6.
Rationale: NEW:removing UIB's config files

Change #255 with diff file ISSM-21995-21996.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/levelset.m M /issm/trunk-jpl/src/m/classes/levelset.py
Export determination: 6.
Rationale: CHG: switch to stabilization = 1 by default (more stable)

Change #256 with diff file ISSM-21996-21997.diff:

Function name:
D /issm/trunk-jpl/configs
Export determination: 6.
Rationale: CHG: removed configs

Change #257 with diff file ISSM-21997-21998.diff:

Function name:
M /issm/trunk-jpl/test/Archives/Archive802.arch M /issm/trunk-jpl/test/Archives/Archive803.arch

M /issm/trunk-jpl/test/Archives/Archive804.arch M /issm/trunk-jpl/test/Archives/Archive806.arch
M /issm/trunk-jpl/test/Archives/Archive807.arch M /issm/trunk-jpl/test/MITgcm/install.sh
M /issm/trunk-jpl/test/NightlyRun/test801.m M /issm/trunk-jpl/test/NightlyRun/test801.py
M /issm/trunk-jpl/test/NightlyRun/test805.m M /issm/trunk-jpl/test/NightlyRun/test805.py
Export determination: 6.
Rationale: CHG: updating archives now that default stabilization has changed

Change #258 with diff file ISSM-21998-21999.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive808.arch

Export determination: 6.

Rationale: CHG: updating archives now that default stabilization has changed

Change #259 with diff file ISSM-21999-22000.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test808.m

Export determination: 6.

Rationale: CHG: relaxed tolerance

Change #260 with diff file ISSM-22000-22001.diff:

Function name:

M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp

M /issm/trunk-jpl/src/c/classes/Options/GenericOption.h M /issm/trunk-jpl/src/c/classes/Options/Options.

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/wrappers/matlab/io/Fetch

M /issm/trunk-jpl/src/wrappers/matlab/io/matlabio.h

Export determination: 6.

Rationale: CHG: simplifying options: do not allow for cells and structs

Change #261 with diff file ISSM-22001-22002.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: no love analysis for now

Change #262 with diff file ISSM-22002-22003.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.discover16.patch

A /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel16-discover.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.6-discover.sh

Export determination: 6.

Rationale: CHG: update discover modules for intel16 compiler

Change #263 with diff file ISSM-22003-22004.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update discover modules for intel16 compiler

Change #264 with diff file ISSM-22004-22005.diff:

Function name:

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

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

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

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

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

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

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

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

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

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

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

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

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/Four

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

jpl/src/c/modules/FourierLoveCorex/lmb_param.f90 A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90.bak A /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/mo

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/util.f90 M /issm/trunk-jpl/src/c/modules/ModelProcess

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

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

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

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

M /issm/trunk-jpl/src/c/modules/modules.h M /issm/trunk-jpl/src/c/shared/io/Marshalling/IOCodeConversi

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

M /issm/trunk-jpl/src/m/classes/maskpsl.m M /issm/trunk-jpl/src/m/classes/materials.m
A /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/mesh2d.m
M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m
M /issm/trunk-jpl/src/m/classes/mesh3dsurface.m M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/model.py
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.py
M /issm/trunk-jpl/src/m/solve/marshall.py
M /issm/trunk-jpl/src/m/solve/solve.m M /issm/trunk-jpl/src/m/solve/solve.py
Export determination: 6.

Rationale: ADD and CHG: introducing new love solution. This involves a new fourierlove class, a new .love field in the model, new enums, new materials class in particular, which can now dynamically, during the constructor phase, initialize internal structure fields relevant to only 'ice', 'litho', or any other material. The goal is to fade away the m/classes/material classes (matice, maticeenhanced, etc...) in favor of the @materials class, which will be all encompassing. New love.core core, and new FourierLoveCorex module, where all of the fortran files from Lambert Caron are placed, with all his love solution code. Interfacing is done between C++ and Fortran in this module. Also, rheology law now taken out of the parameters, should be in the materials themselves.

Change #265 with diff file ISSM-22005-22006.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no love analysis if no fortran, like gia

Change #266 with diff file ISSM-22006-22007.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: do not compile love on windows

Change #267 with diff file ISSM-22007-22008.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check that fortran is provided if love is on

Change #268 with diff file ISSM-22008-22009.diff:

Function name:

D /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90.bak

Export determination: 6.

Rationale: CHG: not needed.

Change #269 with diff file ISSM-22009-22010.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/CorePointerFromSolutionEnum.cpp M /issm/trunk-jpl/src/c/cores/gia_core.cpp M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/FourierLoveCorex.cpp

Export determination: 6.

Rationale: CHG: do not call love_core if _HAVE_LOVE_ is not defined

Change #270 with diff file ISSM-22010-22011.diff:

Function name:

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

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

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

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

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

Export determination: 6.

Rationale: CHG: move rheology law to matpar

Change #271 with diff file ISSM-22011-22012.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: fixing AD, GetMnaterialsParameter returns a double, not an int

Change #272 with diff file ISSM-22012-22013.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: GetIntegerMaterialParameter

Change #273 with diff file ISSM-22013-22014.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #274 with diff file ISSM-22014-22015.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: calling wrong function

Change #275 with diff file ISSM-22015-22016.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #276 with diff file ISSM-22016-22017.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: returning int instead of double

Change #277 with diff file ISSM-22017-22018.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_ad

Export determination: 6.

Rationale: CHG: no Love compilation for AD

Change #278 with diff file ISSM-22019-22020.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing md.love issue

Change #279 with diff file ISSM-22021-22022.diff:

Function name:

D /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-lion.sh D /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-mlion.sh A /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx.sh (from /issm/trunk-jpl/externalpackages/python/install-2.7.3-macosx-mlion.sh:22020) D /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-lion.sh A /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx.sh (from /issm/trunk-jpl/externalpackages/python/install-3.2.2-macosx-lion.sh:22020)

Export determination: 6.

Rationale: CHG: merging several macos versions that are similar

Change #280 with diff file ISSM-22022-22023.diff:

Function name:

M /issm/trunk-jpl/externalpackages/boost/install-1.55-linux.sh D /issm/trunk-jpl/externalpackages/boost/install.sh

Export determination: 6.

Rationale: CHG: removed set -eu because some targets do fail and it is not a problem

Change #281 with diff file ISSM-22024-22025.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh

Export determination: 6.

Rationale: CHG: Adding m4 to install-win.sh

Change #282 with diff file ISSM-22025-22026.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: exclude boost from checks because it might fail even though most of it is built

Change #283 with diff file ISSM-22026-22027.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh

Export determination: 6.

Rationale: CHG: Reverting change to m4 installation on windows for now due to issues on jenkins.

Change #284 with diff file ISSM-22027-22028.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh

Export determination: 6.

Rationale: CHG: Correcting omitted package in autotool windows install script.

Change #285 with diff file ISSM-22028-22029.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh A /issm/trunk-jpl/externalpackages/autotools/p
lib.patch M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: ADD: ar-lib.patch for windows compilation/linking bug. CHG: Updating autotools/install-win.sh to install m4. Updating jenkins.sh to add windows compilers to path before externalpackages to allow for m4 compilation.

Change #286 with diff file ISSM-22031-22032.diff:

Function name:

M /issm/trunk-jpl/externalpackages/autotools/install-win.sh

Export determination: 6.

Rationale: CHG: m4 only installs on cygwin-windows with gcc installed as cygwin package. Removing from install-win.sh for now.

Change #287 with diff file ISSM-22033-22034.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan M /issm/trunk-jpl/jenkins/linux64_ross_se

M /issm/trunk-jpl/jenkins/linux64_ross_test

Export determination: 6.

Rationale: CHG: changed boost installation script

Change #288 with diff file ISSM-22035-22036.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90 M /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90

Export determination: 6.

Rationale: BUG:fixing compilation bugs

Change #289 with diff file ISSM-22036-22037.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90 M /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/mo

Export determination: 6.

Rationale: BUG:replacing -complex- comands by -cmplx- to avoid lib link issue

Change #290 with diff file ISSM-22037-22038.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:Fixing colapse issue

Change #291 with diff file ISSM-22039-22040.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: improved friction coulomb

Change #292 with diff file ISSM-22040-22041.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/timestepping.m
Export determination: 6.
Rationale: CHG: had to rename love lovefourier

Change #293 with diff file ISSM-22041-22042.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive408.arch M /issm/trunk-jpl/test/Archives/Archive443.arch
Export determination: 6.
Rationale: minor

Change #294 with diff file ISSM-22042-22043.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive540.arch A /issm/trunk-jpl/test/NightlyRun/test540.m
Export determination: 6.
Rationale: CHG: added new calving test

Change #295 with diff file ISSM-22043-22044.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: enabling nodal inputs of size one to be interpreted as constant input

Change #296 with diff file ISSM-22044-22045.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp 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: sigma max can now be a vector (if necessary)

Change #297 with diff file ISSM-22045-22046.diff:
Function name:

M /issm/trunk-jpl/src/m/classes/calvingdev.m
Export determination: 6.
Rationale: CHG: allowing 2d fields for calvingdev

Change #298 with diff file ISSM-22046-22047.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test540.m
Export determination: 6.
Rationale: CHG: relaxing tolerance

Change #299 with diff file ISSM-22047-22048.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: NEW: added CoupledFlag for frictionlaw 7, coulomb

Change #300 with diff file ISSM-22048-22049.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: NEW: added CoupledFlag(Neff) for frictionlaw 7, coulomb

Change #301 with diff file ISSM-22049-22050.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
Export determination: 6.
Rationale: NEW: added CoupledFlag(Neff) for frictionlaw 7, coulomb

Change #302 with diff file ISSM-22050-22051.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
Export determination: 6.
Rationale: NEW: added CoupledFlag(Neff) for frictionlaw 7, coulomb

Change #303 with diff file ISSM-22051-22052.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added CoupledFlag(Neff) for frictionlaw 7, coulomb

Change #304 with diff file ISSM-22052-22053.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added CoupledFlag(Neff) for frictionlaw 7, coulomb

Change #305 with diff file ISSM-22053-22054.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixinf extrusion in py

Change #306 with diff file ISSM-22054-22055.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing np

Change #307 with diff file ISSM-22055-22056.diff:

Function name:

M /issm/trunk-jpl/src/m/os/oshostname.m

Export determination: 6.

Rationale: NEW: check with java to get oshostname when all other methods fail

Change #308 with diff file ISSM-22056-22057.diff:

Function name:

M /issm/trunk-jpl/src/m/os/oshostname.m

Export determination: 6.

Rationale: CHG: better operation ordering

Change #309 with diff file ISSM-22057-22058.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:minor cleanup, indent fix and removing MatlabFuncs

Change #310 with diff file ISSM-22058-22059.diff:

Function name:

D /issm/trunk-jpl/src/c/modules/FourierLoveCorex/FourierLoveCorex.cpp D

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

jpl/src/c/modules/FourierLoveCorex/lmb_param.f90 D /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love

D /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 D /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/model.f90 D /issm/trunk-jpl/src/c/modules/FourierLoveCorex/util.f90

Export determination: 6.

Rationale: Fourierlove fixed some single precision functions that were meant to be double

Change #311 with diff file ISSM-22059-22060.diff:

Function name:

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/FourierLoveCorex.cpp A /issm/trunk-

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

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lmb_param.f90 A /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/lmb_param.mod A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90 A /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/lovenb_sub.mod A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/m

A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/model.mod A /issm/trunk-

jpl/src/c/modules/FourierLoveCorex/util.f90 A /issm/trunk-jpl/src/c/modules/FourierLoveCorex/util.mod

Export determination: 6.

Rationale: Deleted files by mistake in the last commit

Change #312 with diff file ISSM-22060-22061.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2084.m A /issm/trunk-jpl/test/NightlyRun/test2084.py

Export determination: 6.

Rationale: Updated test2084 for module Fourierlove

Change #313 with diff file ISSM-22061-22062.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2084.m

Export determination: 6.

Rationale: Updated test2084 for module Fourierlove

Change #314 with diff file ISSM-22062-22063.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2084.m

Export determination: 6.

Rationale: CHG: added return statement to line 67 in an attempt to revert change that caused break.

Change #315 with diff file ISSM-22063-22064.diff:

Function name:

D /issm/trunk-jpl/test/NightlyRun/test2084.m D /issm/trunk-jpl/test/NightlyRun/test2084.py

Export determination: 6.

Rationale: DEL: Removed test 2084 temporarily. Lambert will recommit once the test succeeds locally.

Change #316 with diff file ISSM-22064-22065.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor edits to cluster file

Change #317 with diff file ISSM-22065-22066.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/clusters/vilje.m
Export determination: 6.
Rationale: CHG: minor edits to cluster file

Change #318 with diff file ISSM-22066-22067.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCo
Export determination: 6.
Rationale: CHG: add GEMB input to inputs for dakota

Change #319 with diff file ISSM-22067-22068.diff:

Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_javascript
Export determination: 6.
Rationale: CHG: Disabling Love for JS builds.

Change #320 with diff file ISSM-22068-22069.diff:

Function name:
A /issm/trunk-jpl/test/Archives/Archive2084.arch A /issm/trunk-jpl/test/NightlyRun/test2084.m
Export determination: 6.
Rationale: New test2084 with archive, only matlab for now

Change #321 with diff file ISSM-22069-22070.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/qmu.m M /issm/trunk-jpl/src/m/modules/MeshPartition.m
M /issm/trunk-jpl/src/m/partition/partitioner.m M /issm/trunk-jpl/src/wrappers/MeshPartition/MeshPartit
Export determination: 6.
Rationale: CHG: allow dakota to sample element vectors

Change #322 with diff file ISSM-22070-22071.diff:

Function name:
A /issm/trunk-jpl/test/Archives/Archive244.arch A /issm/trunk-jpl/test/NightlyRun/test244.m

Export determination: 6.
Rationale: CHG: add test for dakota sampling of GEMB input

Change #323 with diff file ISSM-22071-22072.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test244.m
Export determination: 6.
Rationale: CHG: update tol for new test

Change #324 with diff file ISSM-22072-22073.diff:

Function name:
M /issm/trunk-jpl/jenkins/windows_test
Export determination: 6.
Rationale: CHG: Added test 244 to exclude list for Windows builds.

Change #325 with diff file ISSM-22073-22074.diff:

Function name:
M /issm/trunk-jpl/jenkins/windows M /issm/trunk-jpl/jenkins/windows_test
Export determination: 6.
Rationale: CHG: Added test 244 to exclude list for Windows builds.

Change #326 with diff file ISSM-22074-22075.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp
Export determination: 6.
Rationale: CHG: added P1P2 case

Change #327 with diff file ISSM-22075-22076.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.
M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
Export determination: 6.

Rationale: CHG: adding P1xP4 element (to be validated)

Change #328 with diff file ISSM-22076-22077.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Options/OptionUtilities.cpp M /issm/trunk-jpl/src/c/classes/Options/OptionUtilities.h M /issm/trunk-jpl/src/c/classes/Options/Options.h M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp M /issm/trunk-jpl/src/wrappers/matlab/io/matlabio.h

Export determination: 6.

Rationale: CHG: simplifying Options* interface, not finished yet

Change #329 with diff file ISSM-22077-22078.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/modules/IoModelToConstraint M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.cpp

Export determination: 6.

Rationale: CHG: continuing implementation of P1xP4

Change #330 with diff file ISSM-22078-22079.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing nodal function derivatives for P1xP4

Change #331 with diff file ISSM-22079-22080.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2084.m

Export determination: 6.

Rationale: updating field tolerances of test2084

Change #332 with diff file ISSM-22080-22081.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: added one option to enforce boundary edges

Change #333 with diff file ISSM-22081-22082.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2084.arch M /issm/trunk-jpl/test/NightlyRun/test2084.m
Export determination: 6.
Rationale: Correcting frequency intervals in test2084 and updating the corresponding archive

Change #334 with diff file ISSM-22096-22097.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/mask.py
M /issm/trunk-jpl/src/m/classes/materials.py M /issm/trunk-jpl/src/m/classes/mesh2d.py
A /issm/trunk-jpl/test/NightlyRun/test2084.py (from /issm/trunk-jpl/test/NightlyRun/test2084.py:22062)
Export determination: 6.
Rationale: NEW: completed test2084.py and modified corresponding py files

Change #335 with diff file ISSM-22097-22098.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90
Export determination: 6.
Rationale: BUG: Using spaces instead of horizontal skip characters in love core print formatting in to enable compatibility with Jenkins python test parser.

Change #336 with diff file ISSM-22098-22099.diff:
Function name:
M /issm/trunk-jpl/src/m/Makefile.am M /issm/trunk-jpl/src/m/array/arrayoperations.js
A /issm/trunk-jpl/src/m/classes/fourierlove.js M /issm/trunk-jpl/src/m/classes/inversion.js
M /issm/trunk-jpl/src/m/classes/model.js M /issm/trunk-jpl/src/m/classes/qmu.js
M /issm/trunk-jpl/src/m/classes/thermal.js M /issm/trunk-jpl/src/m/extrusion/project3d.js
Export determination: 6.
Rationale: BUG: Fixing issues with test102.js extrusion functions. NEW: Adding fourierlove.js. CHG: Updating m/Makefile.am.

Change #337 with diff file ISSM-22099-22100.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/settings.js

Export determination: 6.

Rationale: BUG: Fixing incorrect solver_residue_tolerance assignment in settings.js

Change #338 with diff file ISSM-22100-22101.diff:

Function name:

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

jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/AmrBamg.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/modules/ModelProcessorx/CreateParameters.cpp M

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

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

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

D /issm/trunk-jpl/src/m/classes/amrbamg.m M /issm/trunk-jpl/test/NightlyRun/test462.m

M /issm/trunk-jpl/test/NightlyRun/test463.m M /issm/trunk-jpl/test/NightlyRun/test464.m

M /issm/trunk-jpl/test/NightlyRun/test465.m

Export determination: 6.

Rationale: CHG: now, AMR with Bamg is the default; with NeoPZ is an option (amrneopz.m). CHG: updated (minor) test files 462, 463, 464 and 465. CHG: amr with NeoPZ merges fields (grounding line, ice front and error estimators)

Change #339 with diff file ISSM-22101-22102.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxed tolerance

Change #340 with diff file ISSM-22102-22103.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.petsclibs.patch

Export determination: 6.

Rationale: CHG: add example CMake patch to use petsc libs

Change #341 with diff file ISSM-22103-22104.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/FSanalytics/fsanalytics.cpp

Export determination: 6.

Rationale: CHG: more tests

Change #342 with diff file ISSM-22104-22105.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/misfit.py M /issm/trunk-jpl/test/NightlyRun/runme.py

A /issm/trunk-jpl/test/NightlyRun/test123.py A /issm/trunk-jpl/test/NightlyRun/test124.py

Export determination: 6.

Rationale: NEW: Added misfit.py, translated from misfit.m. Added test123.py, translated from test123.m. Added test124.py, translated from test124.m. Fixed future-warning from runme.py regarding comparison to None

Change #343 with diff file ISSM-22105-22106.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceA

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

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

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

Export determination: 6.

Rationale: CHG: passing gauss as argument so that B is not necessarily averaged

Change #344 with diff file ISSM-22107-22108.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/slr.js M /issm/trunk-jpl/src/m/classes/slr.m

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

Export determination: 6.

Rationale: CHG: reltol set as default criterion for RSL convergence

Change #345 with diff file ISSM-22109-22110.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test2002.m
Export determination: 6.
Rationale: CHG: max number of iteration reverted back to the original value

Change #346 with diff file ISSM-22110-22111.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2002.py
Export determination: 6.
Rationale: CHG: max number of iteration reverted back to the original value

Change #347 with diff file ISSM-22116-22117.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: changed threshold limit for the error estimators (AMR with Bamg)

Change #348 with diff file ISSM-22117-22118.diff:
Function name:
M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/BuildDakotaCustom.cmake.patch
Export determination: 6.
Rationale: CHG: add MPI EXTRA LIBRARY def for custom patch

Change #349 with diff file ISSM-22122-22123.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/balancethickness.py M /issm/trunk-jpl/src/m/classes/constants.py
M /issm/trunk-jpl/src/m/classes/esa.py M /issm/trunk-jpl/src/m/classes/fourierlove.py
M /issm/trunk-jpl/src/m/classes/model.py M /issm/trunk-jpl/src/m/classes/slr.py
Export determination: 6.
Rationale: BUG: fixed several bugs: incorrect output streams, high error rates, and mistranslated lines. Added omega to constants.py from constants.m. Added esa to model.py.

Change #350 with diff file ISSM-22123-22124.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: no calving is bed₀

Change #351 with diff file ISSM-22124-22125.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: calving = 0 if grounded above sea level

Change #352 with diff file ISSM-22125-22126.diff:

Function name:

M /issm/trunk-jpl/examples/UncertaintyQuantification/runme.m

Export determination: 6.

Rationale: CHG: can't plot log with zero values

Change #353 with diff file ISSM-22126-22127.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive540.arch

Export determination: 6.

Rationale: CHG: updating calving dev test

Change #354 with diff file ISSM-22127-22128.diff:

Function name:

M /issm/trunk-jpl/examples/Data/Download.sh

Export determination: 6.

Rationale: CHG: update download file for Ant velocities

Change #355 with diff file ISSM-22128-22129.diff:

Function name:

D /issm/trunk-jpl/examples/Data/Download.sh

Export determination: 6.
Rationale: CHG: do not use script, it does not work 99

Change #356 with diff file ISSM-22129-22130.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
Export determination: 6.
Rationale: CHG: updating syntax highlighting

Change #357 with diff file ISSM-22130-22131.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Updated install script for gmsh as developers switched to git from svn.

Change #358 with diff file ISSM-22131-22132.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Fixed install script for gmsh (missing 'src').

Change #359 with diff file ISSM-22132-22133.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.m
Export determination: 6.
Rationale: CHG: Eased tolerance for Bed3 in MATLAB-435.

Change #360 with diff file ISSM-22133-22134.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/SetIceSheetBC.py M /issm/trunk-jpl/src/m/coordsystems/gmtmask.py M /issm/trunk-jpl/src/m/parameterization/setmask.py M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/src/m/solve/solve.py
Export determination: 6.

Rationale: BUG: fixed a few bugs present in these files in preparation for 2xxx series tests

Change #361 with diff file ISSM-22134-22135.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test2003.py A /issm/trunk-jpl/test/NightlyRun/test2010.py
A /issm/trunk-jpl/test/NightlyRun/test2051.py A /issm/trunk-jpl/test/NightlyRun/test2052.py
A /issm/trunk-jpl/test/NightlyRun/test2053.py A /issm/trunk-jpl/test/NightlyRun/test2071.py
A /issm/trunk-jpl/test/NightlyRun/test2072.py A /issm/trunk-jpl/test/NightlyRun/test2073.py
A /issm/trunk-jpl/test/NightlyRun/test2081.py A /issm/trunk-jpl/test/NightlyRun/test2082.py
A /issm/trunk-jpl/test/NightlyRun/test2083.py A /issm/trunk-jpl/test/NightlyRun/test2101.py
A /issm/trunk-jpl/test/NightlyRun/test2110.py A /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py
A /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py

Export determination: 6.

Rationale: ADD: added missing python 2xxx series tests and relevant parameter files; except 2424 and 2425

Change #362 with diff file ISSM-22135-22136.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check for time integration (if time=0, do not integrate)

Change #363 with diff file ISSM-22136-22137.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m M /issm/trunk-jpl/src/m/consistency/checkfield.m

Export determination: 6.

Rationale: NEW: adding capability to have transient params in linearbasalforcings class

Change #364 with diff file ISSM-22137-22138.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed misfit issue

Change #365 with diff file ISSM-22138-22139.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: fixed marcsballing of linearbasalforcings in python

Change #366 with diff file ISSM-22141-22142.diff:

Function name:

M /issm/trunk-jpl/src/m/consistency/checkfield.m

Export determination: 6.

Rationale: FIX: fixed checkfield for singletimeseries

Change #367 with diff file ISSM-22142-22143.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test292.m

Export determination: 6.

Rationale: NEW: varying melt rate in test292

Change #368 with diff file ISSM-22145-22146.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch

M /issm/trunk-jpl/test/Archives/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch

Export determination: 6.

Rationale: CHG: archives updated to comply with new gmsh mesher

Change #369 with diff file ISSM-22146-22147.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: added missing checks on ice presence in coupling routines

Change #370 with diff file ISSM-22147-22148.diff:

Function name:

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

Export determination: 6.

Rationale: BUG

Change #371 with diff file ISSM-22148-22149.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2101.py

Export determination: 6.

Rationale: BUG: fixed minor indexing bug in test2101 that resulted in failure

Change #372 with diff file ISSM-22149-22150.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2003.py M /issm/trunk-jpl/test/NightlyRun/test2010.py

M /issm/trunk-jpl/test/NightlyRun/test2110.py

Export determination: 6.

Rationale: BUG: fixed bug in python tests 2003 and 2010 resulting in error.

Removed extra commented imports in test2110.

Change #373 with diff file ISSM-22150-22151.diff:

Function name:

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

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

M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/test/NightlyRun/test292.py

Export determination: 6.

Rationale: CHG: matched changes from m files to py files including test292, checkfield, and linearbasalforcings; and some class files that led to excess differences in m vs py test bin files (mostly a few things that were out of order).

Change #374 with diff file ISSM-22151-22152.diff:

Function name:

D /issm/trunk-jpl/src/m/geometry/ThicknessCorrection.m

Export determination: 6.

Rationale: DEL: this was a bad piece of code

Change #375 with diff file ISSM-22152-22153.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/transientrestart.m

Export determination: 6.

Rationale: CHG: by default use last step instead of step 1

Change #376 with diff file ISSM-22153-22154.diff:

Function name:

A /issm/trunk-jpl/src/m/geometry/VolumeAboveFloatation.m

Export determination: 6.

Rationale: CHG: Added VolumeAboveFloatation.m

Change #377 with diff file ISSM-22154-22155.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.8-linux64.sh

Export determination: 6.

Rationale: NEW: added install-3.8-linux64.sh

Change #378 with diff file ISSM-22158-22159.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive292.arch M /issm/trunk-jpl/test/NightlyRun/test292.m

M /issm/trunk-jpl/test/NightlyRun/test292.py

Export determination: 6.

Rationale: CHG: varying time forcing in test292

Change #379 with diff file ISSM-22173-22174.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/stallo.py M /issm/trunk-jpl/src/m/classes/clusters/vilje.py

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

Export determination: 6.

Rationale: Slope fix and cluster modifs

Change #380 with diff file ISSM-22174-22175.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dakota_method.m

Export determination: 6.

Rationale: NEW adding bayes_calibration as a method in dakota

Change #381 with diff file ISSM-22175-22176.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/qmu/@dakota_method/dmeth_params_write.m

Export determination: 6.

Rationale: NEW adding parameter requirements for bayes

Change #382 with diff file ISSM-22176-22177.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/dakota_in_write.m M /issm/trunk-jpl/src/m/qmu/rlist_write.m

Export determination: 6.

Rationale: NEW: making script work for calibration functions and bayes method

Change #383 with diff file ISSM-22177-22178.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/qmu/calibration_function.m

Export determination: 6.

Rationale: NEW: Need new class for bayes method

Change #384 with diff file ISSM-22178-22179.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-

jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analys

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/cores/adjointbalancethickness2.c

M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/controlvalidation.co

Export determination: 6.

Rationale: CHG: working on balancethickness2 with Jerome, new model, new implementation, new adjoint

Change #385 with diff file ISSM-22181-22182.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: adding calving parameterizations (crevasse-depth and height-above-buoyancy laws), minor changes for calvingdev and levermann

Change #386 with diff file ISSM-22183-22184.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor changes for the crevasse-depth parameterization

Change #387 with diff file ISSM-22184-22185.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive806.arch

Export determination: 6.

Rationale: CHG: updated archive after change to Levermann calving law

Change #388 with diff file ISSM-22185-22186.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: NEW: added degree of channelization as output; CHG: removed lower cap on water pressure to allow negative pressure, turned off geothermal flux and frictional heat in melt rate for SHMIP simulations

Change #389 with diff file ISSM-22186-22187.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologySommersAnalysis.cpp
Export determination: 6.
Rationale: CHG: geothermal flux and frictional heat included in melt rate calculation

Change #390 with diff file ISSM-22187-22188.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive350.arch
Export determination: 6.
Rationale: CHG: Updated archive for test 350

Change #391 with diff file ISSM-22188-22189.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive350.arch
Export determination: 6.
Rationale: CHG: Updated archive for test 350 (forgot to update ISSM first).

Change #392 with diff file ISSM-22189-22190.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.m
Export determination: 6.
Rationale: CHG: add color options for partition plotting

Change #393 with diff file ISSM-22190-22191.diff:
Function name:
M /issm/trunk-jpl/src/c/main/issm_ocean.cpp M /issm/trunk-jpl/src/c/main/issm_slr.cpp
Export determination: 6.
Rationale: CHG: needed #include jstplib.h for strtol

Change #394 with diff file ISSM-22191-22192.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.html

Export determination: 6.
Rationale: CHG: adding plotmodel back to test101.html.

Change #395 with diff file ISSM-22192-22193.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.c
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/modules/Calvingx/Calvingx.cpp
D /issm/trunk-jpl/src/m/classes/calvingdev.m A /issm/trunk-jpl/src/m/classes/calvingvonmises.m
M /issm/trunk-jpl/test/NightlyRun/test540.m

Export determination: 6.

Rationale: CHG: change Calving Dev to Calving Von Mises

Change #396 with diff file ISSM-22193-22194.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

Export determination: 6.

Rationale: CHG: updated enums

Change #397 with diff file ISSM-22194-22195.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added backward compatibility check

Change #398 with diff file ISSM-22195-22196.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/oldclasses/calvingdev.m

Export determination: 6.

Rationale: CHG: need the old class in order to run

Change #399 with diff file ISSM-22196-22197.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: BUG: new enum for calving

Change #400 with diff file ISSM-22197-22198.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Removed extraneous member initialization in Element constructor.

Change #401 with diff file ISSM-22198-22199.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive540.arch M /issm/trunk-jpl/test/NightlyRun/test540.m

Export determination: 6.

Rationale: BUG: fixing instable NR

Change #402 with diff file ISSM-22199-22200.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition.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/c/shared/io/Marshalling/IoCodeConversions.cpp A /issm/trunk-jpl/src/m/classes/calvingdev2.m

Export determination: 6.

Rationale: NEW: New CalvingDev for calving of tidewaterglaciers

Change #403 with diff file ISSM-22200-22201.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/Constraint.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamics.h

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

M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakota.xml

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: NEW: added inflow constraint as a possible variable for dakota, only
working for MC for now

Change #404 with diff file ISSM-22201-22202.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: NEW: added inflow constraint as a possible variable for dakota, only
working for MC for now

Change #405 with diff file ISSM-22202-22203.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not update Constraints every time

Change #406 with diff file ISSM-22203-22204.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/clusters/fram.py M /issm/trunk-jpl/src/m/classes/clusters/stallo.py

Export determination: 6.

Rationale: adding Fram cluster file

Change #407 with diff file ISSM-22204-22205.diff:

Function name:

M /issm/trunk-jpl/src/m/Makefile.am A /issm/trunk-jpl/src/m/classes/frictionwaterlayer.py

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

Export determination: 6.

Rationale: CHG: Adding Nathan's frictionwaterlayer.py and committing a fix
for WriteData.py when marshalling yts/timestep fields.

Change #408 with diff file ISSM-22207-22208.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calvingdev2.m
Export determination: 6.
Rationale: CHG: prescribe sigma_max_floating as time series

Change #409 with diff file ISSM-22210-22211.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.m
Export determination: 6.
Rationale: CHG: added subdomains

Change #410 with diff file ISSM-22211-22212.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologySommersAnalysis.cpp
Export determination: 6.
Rationale: CHG: changed degree of channelization to be ratio of opening by melt to total opening by sliding and melt

Change #411 with diff file ISSM-22212-22213.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.m
Export determination: 6.
Rationale: NEW: added holes and subdomains options, provided as extra .exp files

Change #412 with diff file ISSM-22213-22214.diff:
Function name:
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp
Export determination: 6.
Rationale: CHG: cosmetics

Change #413 with diff file ISSM-22214-22215.diff:

Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.m
Export determination: 6.
Rationale: CHG: fixing NR 514

Change #414 with diff file ISSM-22215-22216.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.m M /issm/trunk-jpl/test/Archives/Archive514.arch
M /issm/trunk-jpl/test/NightlyRun/test514.m
Export determination: 6.
Rationale: CHG: make sure domain has the right reference number and now
save x instead of only y

Change #415 with diff file ISSM-22216-22217.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.py M /issm/trunk-jpl/test/NightlyRun/test514.py
Export determination: 6.
Rationale: CHG: fixing python

Change #416 with diff file ISSM-22236-22237.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: BUG:Change in the initialization of epl head

Change #417 with diff file ISSM-22237-22238.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: use P0 before

Change #418 with diff file ISSM-22238-22239.diff:
Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp
Export determination: 6.
Rationale: BUG: EW and EI must evolve layers like other variables

Change #419 with diff file ISSM-22239-22240.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: clean up some GEMB deletes

Change #420 with diff file ISSM-22240-22241.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/discover.m
Export determination: 6.
Rationale: CHG: fix time limit for discover debug queue

Change #421 with diff file ISSM-22241-22242.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp M /issm/trunk-jpl/src/c/classes/AmrBamg.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.h M /issm/trunk-jpl/src/m/classes/amr.js M /issm/trunk-jpl/src/m/classes/amr.m M /issm/trunk-jpl/src/m/classes/amr.py M /issm/trunk-jpl/src/m/contrib/tsantos/AMRexportVTK.m M /issm/trunk-jpl/src/m/contrib/tsantos/mismip/gl_position.m M /issm/trunk-jpl/src/m/contrib/tsantos/mismip/ice_evolution.m M /issm/trunk-jpl/src/m/contrib/tsantos/remesh.m
Export determination: 6.
Rationale: CHG: Updated AMR methods for NeoPZ and Bamg, insert option to restart a simulation using error estimators and Bamg, deleted some non-used methods.

Change #422 with diff file ISSM-22242-22243.diff:
Function name:

A /issm/trunk-jpl/src/m/classes/amrneopz.m
Export determination: 6.
Rationale: CHG: Class for AMR with NeoPZ

Change #423 with diff file ISSM-22243-22244.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not call femmodel-*j*ReMesh() with Automatic Differentiation (AD)

Change #424 with diff file ISSM-22249-22250.diff:

Function name:

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

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

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

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/NightlyRun/test243.m

Export determination: 6.

Rationale: CHG: update Gemb code to use tolerances on all absolute comparisons, make stricter archive tolerances, Smb output is now in m/yr ice so that it can be run with issm mass transport on

Change #425 with diff file ISSM-22250-22251.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test244.m

Export determination: 6.

Rationale: CHG: we can now tighten the dakota GEMB requirements

Change #426 with diff file ISSM-22251-22252.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: 'long to int' conversions should be avoid (src/c/bamg/Mesh.cpp, RandomNumber usage)

Change #427 with diff file ISSM-22252-22253.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp M /issm/trunk-jpl/src/c/modules/BamgConvertMeshx/Bamg

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

/issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMes

Export determination: 6.

Rationale: CHG: setting bamgopts_verbose in some Mesh.cpp methods, fixing bad 'int' variable (number too big to be int, changed to long).

Change #428 with diff file ISSM-22253-22254.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding verbose in src/c/bamg/Mesh.cpp

Change #429 with diff file ISSM-22254-22255.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Eased tolerance for StressTensoryz.

Change #430 with diff file ISSM-22255-22256.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Eased tolerance for StressTensoryz.

Change #431 with diff file ISSM-22256-22257.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4001.m

Export determination: 6.

Rationale: CHG: minor clean-up of test

Change #432 with diff file ISSM-22257-22258.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: NEW: ice/ocean test for direct coupling

Change #433 with diff file ISSM-22258-22259.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: CHG: fixed test4002

Change #434 with diff file ISSM-22259-22260.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check

Change #435 with diff file ISSM-22260-22261.diff:

Function name:

A /issm/trunk-jpl/src/m/exp/functionSignatures.json

Export determination: 6.

Rationale: CHG: added functionSignatures.json file to autocomplete

Change #436 with diff file ISSM-22261-22262.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/cores/movingfront_core.cpp

Export determination: 6.

Rationale: CHG: no vz calculation on inactive elements

Change #437 with diff file ISSM-22262-22263.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix error

Change #438 with diff file ISSM-22263-22264.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive802.arch M /issm/trunk-jpl/test/Archives/Archive803.arch

M /issm/trunk-jpl/test/Archives/Archive805.arch

Export determination: 6.

Rationale: CHG: new archives now that vz is not computed where $\phi_i 0$

Change #439 with diff file ISSM-22264-22265.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying out a new method to interpolate ice thickness based on diffusion

Change #440 with diff file ISSM-22265-22266.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-

jpl/src/c/analyses/AdjointBalancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/AdjointBalancethick

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethicknessAnalysis.h M /issm/trunk-

jpl/src/c/analyses/Balancethickness2Analysis.cpp

Export determination: 6.

Rationale: CHG: temporary commit, last code with Jerome

Change #441 with diff file ISSM-22266-22267.diff:

Function name:

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

jpl/src/c/classes/Elements/Element.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/FemModel.h

M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInput.cpp M /issm/trunk-jpl/src/c/cores/balancethickness2_c

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: CHG: added more cost functions for Jerome and working on a new
algorithm for ice thickness mapping

Change #442 with diff file ISSM-22267-22268.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBgemb.m A /issm/trunk-jpl/src/m/classes/SMBgemb.py
M /issm/trunk-jpl/src/m/classes/SMBgradientsela.py M /issm/trunk-jpl/src/m/classes/amr.py
M /issm/trunk-jpl/src/m/classes/basalforcings.py A /issm/trunk-jpl/src/m/classes/calvingdev.py
A /issm/trunk-jpl/src/m/classes/calvingminthickness.py A /issm/trunk-jpl/src/m/classes/calvingvonmises.py
M /issm/trunk-jpl/src/m/classes/constants.py M /issm/trunk-jpl/src/m/classes/flowequation.py
A /issm/trunk-jpl/src/m/classes/frictionsommers.py A /issm/trunk-jpl/src/m/classes/hydrologysommers.py
A /issm/trunk-jpl/src/m/classes/matenhancedice.py A /issm/trunk-jpl/src/m/classes/matestar.py
A /issm/trunk-jpl/src/m/classes/mesh2dvertical.py M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.py
A /issm/trunk-jpl/src/m/classes/plumbasalforcings.py M /issm/trunk-jpl/src/m/classes/taoinversion.py
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/classes/transient.py
M /issm/trunk-jpl/src/m/consistency/checkfield.py M /issm/trunk-jpl/src/m/dev/devpath.py
A /issm/trunk-jpl/src/m/geometry/NowickiProfile.py A /issm/trunk-jpl/src/m/mech/newforcing.py
M /issm/trunk-jpl/src/m/mesh/bamg.py A /issm/trunk-jpl/src/m/mesh/bamgflowband.py
A /issm/trunk-jpl/src/m/print/printmodel.py M /issm/trunk-jpl/src/m/solve/WriteData.py
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py A /issm/trunk-jpl/test/NightlyRun/test2424.py
A /issm/trunk-jpl/test/NightlyRun/test2425.py A /issm/trunk-jpl/test/NightlyRun/test243.py
A /issm/trunk-jpl/test/NightlyRun/test260.py A /issm/trunk-jpl/test/NightlyRun/test261.py
A /issm/trunk-jpl/test/NightlyRun/test293.py A /issm/trunk-jpl/test/NightlyRun/test340.py
A /issm/trunk-jpl/test/NightlyRun/test342.py A /issm/trunk-jpl/test/NightlyRun/test343.py
A /issm/trunk-jpl/test/NightlyRun/test344.py A /issm/trunk-jpl/test/NightlyRun/test350.py
A /issm/trunk-jpl/test/NightlyRun/test430.py A /issm/trunk-jpl/test/NightlyRun/test435.py
A /issm/trunk-jpl/test/NightlyRun/test436.py A /issm/trunk-jpl/test/NightlyRun/test437.py
A /issm/trunk-jpl/test/NightlyRun/test438.py A /issm/trunk-jpl/test/NightlyRun/test439.py
A /issm/trunk-jpl/test/NightlyRun/test441.py A /issm/trunk-jpl/test/NightlyRun/test442.py
A /issm/trunk-jpl/test/NightlyRun/test460.py A /issm/trunk-jpl/test/NightlyRun/test461.py
A /issm/trunk-jpl/test/NightlyRun/test462.py A /issm/trunk-jpl/test/NightlyRun/test463.py
A /issm/trunk-jpl/test/NightlyRun/test464.py A /issm/trunk-jpl/test/NightlyRun/test465.py
A /issm/trunk-jpl/test/NightlyRun/test540.py A /issm/trunk-jpl/test/NightlyRun/test701.py
A /issm/trunk-jpl/test/NightlyRun/test703.py A /issm/trunk-jpl/test/NightlyRun/test808.py
M /issm/trunk-jpl/test/Par/ISMIPE.par M /issm/trunk-jpl/test/Par/ISMIPE.py
M /issm/trunk-jpl/test/Par/SquareThermal.py

Export determination: 6.

Rationale: ADD: added python versions and dependencies for tests: 243,260,261,293,340,342,343,344,350,430,435

Change #443 with diff file ISSM-22268-22269.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test293.py M /issm/trunk-jpl/test/NightlyRun/test701.py

Export determination: 6.

Rationale: CHG: left some print statments in by mistake

Change #444 with diff file ISSM-22269-22270.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor typo

Change #445 with diff file ISSM-22270-22271.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/stallo.py M /issm/trunk-jpl/src/m/classes/hydrologydc.py

Export determination: 6.

Rationale: NEW:updating Stallo cluster to new softwares

Change #446 with diff file ISSM-22271-22272.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/bamg.py D /issm/trunk-jpl/test/NightlyRun/test703.py

Export determination: 6.

Rationale: FIX: fixed tests 119 and 514, removed 703 as it is incomplete

Change #447 with diff file ISSM-22272-22273.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/WriteData.py M /issm/trunk-jpl/test/NightlyRun/test1108.py

A /issm/trunk-jpl/test/NightlyRun/test1109.py A /issm/trunk-jpl/test/NightlyRun/test1110.py

Export determination: 6.

Rationale: ADD: added/fixed python tests 1108, 1109, and 1110. Made a minor change to src/m/solve/WriteData.py to match it with the .m version. If this caused a problem it should have been fixed immediately (see scale option,

data[0:-2,:], -2 vs -1).

Change #448 with diff file ISSM-22273-22274.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: minor change to WriteData.py broke some stuff. Fixed.

Change #449 with diff file ISSM-22274-22275.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan M /issm/trunk-jpl/jenkins/linux64_ross

M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/linux64_ross_javascript

M /issm/trunk-jpl/jenkins/linux64_ross_python M /issm/trunk-jpl/jenkins/linux64_ross_test

M /issm/trunk-jpl/src/m/mesh/bamgflowband.py A /issm/trunk-jpl/test/NightlyRun/test703.py

Export determination: 6.

Rationale: CHG: changed some jenkins scripts to ignore test703.py, added 243, 701, and 435 back to jenkins testing. Fixed bamgflowband.py not working well with bamg.py and breaking either 701 or 514 and 119.

Change #450 with diff file ISSM-22275-22276.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross M /issm/trunk-jpl/jenkins/linux64_ross_dakota

M /issm/trunk-jpl/jenkins/linux64_ross_python

Export determination: 6.

Rationale: BUG: removed 243 and 701 from jenkins testing until scipy can be installed via jenkins

Change #451 with diff file ISSM-22276-22277.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: delete unused variable in AMR (radius_level_max); simplifying some AMR methods.

Change #452 with diff file ISSM-22277-22278.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.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/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/cores/hydrology_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: NEW: Implementing substep framework in hydrologydc

Change #453 with diff file ISSM-22278-22279.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Implementing substep framework in hydrologydc

Change #454 with diff file ISSM-22279-22280.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Fixing leaks

Change #455 with diff file ISSM-22280-22281.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: we should not copy if transient input is empty

Change #456 with diff file ISSM-22281-22282.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp

Export determination: 6.

Rationale: CHG:implementing some 3D compliance and hydro_core clean-up

Change #457 with diff file ISSM-22282-22283.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing leaks

Change #458 with diff file ISSM-22283-22284.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/hydrologyshreve.js M /issm/trunk-jpl/src/m/classes/hydrologyshreve.m

M /issm/trunk-jpl/src/m/classes/hydrologyshreve.py M /issm/trunk-jpl/src/m/classes/hydrologysommers.m

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

Export determination: 6.

Rationale: CHG:shifting the hydrology routines to requested_output

Change #459 with diff file ISSM-22284-22285.diff:

Function name:

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

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

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

jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.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/c/solutionsequences/soluti

Export determination: 6.

Rationale: CHG:shifting the hydrology routines to requested_output

Change #460 with diff file ISSM-22285-22286.diff:

Function name:

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/TransientInput.cpp M /issm/trunk-jpl/src/c/cores/hydrology_core.cp
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/solutionsequences/soluti
Export determination: 6.
Rationale: NEW : Enum clean up and average field additions

Change #461 with diff file ISSM-22286-22287.diff:

Function name:

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

Export determination: 6.

Rationale: NEW : Enum clean up and average field additions

Change #462 with diff file ISSM-22287-22288.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive333.arch M /issm/trunk-jpl/test/NightlyRun/test333.m

M /issm/trunk-jpl/test/NightlyRun/test333.py

Export determination: 6.

Rationale: NEW: adding sub-step final result check on 333

Change #463 with diff file ISSM-22288-22289.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test333.m

Export determination: 6.

Rationale: CHG: fixed resultS

Change #464 with diff file ISSM-22289-22290.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test333.m

Export determination: 6.

Rationale: CHG: fixed (0) index

Change #465 with diff file ISSM-22290-22291.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/m/classes/calvingdev2.m
Export determination: 6.
Rationale: ADD: adding frontal melting rate for calvingdev

Change #466 with diff file ISSM-22291-22292.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_googlemaps.m
Export determination: 6.
Rationale: ADD:adding shaded option for use with googlemaps plotting

Change #467 with diff file ISSM-22292-22293.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/calvingcrevassedepth.m A /issm/trunk-jpl/src/m/classes/calvinghab.m
M /issm/trunk-jpl/src/m/classes/calvinglevermann.m
Export determination: 6.
Rationale: CHG: some changes for calving laws (height above buoyancy, crevasse-depth, levermann)

Change #468 with diff file ISSM-22293-22294.diff:
Function name:
M /issm/trunk-jpl/src/m/dev/devpath.py
Export determination: 6.
Rationale: BUG: adding nightly run to sys.path which is needed to load runme

Change #469 with diff file ISSM-22294-22295.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.cpp M /issm/trunk-jpl/src/c/classes/AdaptiveMeshRefinement.h M /issm/trunk-jpl/src/c/classes/AmrBamg.cpp
M /issm/trunk-jpl/src/c/classes/AmrBamg.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.h
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/amr.js
M /issm/trunk-jpl/src/m/classes/amr.m M /issm/trunk-jpl/src/m/classes/amr.py
M /issm/trunk-jpl/src/m/classes/amrneopz.m M /issm/trunk-jpl/src/m/contrib/tsantos/mismip/ice_evolution
Export determination: 6.

Rationale: CHG: added group threshold for error estimators (AMR)

Change #470 with diff file ISSM-22295-22296.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: Python IndentationError in amr.py

Change #471 with diff file ISSM-22296-22297.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: had to rename settings class issmsettings in order to avoid compatibility issue with MATLAB's settings function

Change #472 with diff file ISSM-22297-22298.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: had to convert some issmsettings back to settings

Change #473 with diff file ISSM-22298-22299.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/issmsettings.js (from /issm/trunk-jpl/src/m/classes/settings.js:22297)

A /issm/trunk-jpl/src/m/classes/issmsettings.py (from /issm/trunk-jpl/src/m/classes/settings.py:22297)

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

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

D /issm/trunk-jpl/src/m/classes/settings.py

Export determination: 6.

Rationale: CHG: renaming settings issmsettings for consistency with MATLAB

Change #474 with diff file ISSM-22299-22300.diff:

Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.py
Export determination: 6.
Rationale: NEW: implemeting domain orientation in python bamg (holes and subdomain too)

Change #475 with diff file ISSM-22300-22301.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/bamg.m M /issm/trunk-jpl/src/m/mesh/bamg.py
Export determination: 6.
Rationale: CHG: better error message

Change #476 with diff file ISSM-22301-22302.diff:
Function name:
M /issm/trunk-jpl/src/m/Makefile.am
Export determination: 6.
Rationale: CHG: changed settings to issmsettings

Change #477 with diff file ISSM-22302-22303.diff:
Function name:
M /issm/trunk-jpl/src/m/os/issmbbftpin.m M /issm/trunk-jpl/src/m/os/issmscpin.m
Export determination: 6.
Rationale: CHG: better way of dealing with warnings

Change #478 with diff file ISSM-22303-22304.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/inversionvalidation.m
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m
Export determination: 6.
Rationale: CHG: marhsal velobs if provided

Change #479 with diff file ISSM-22304-22305.diff:
Function name:

M /issm/trunk-jpl/src/m/classes/balancethickness.m M /issm/trunk-jpl/src/m/classes/flowequation.m
M /issm/trunk-jpl/src/m/classes/materials.m
Export determination: 6.
Rationale: CHG: added P1xP4 for HO

Change #480 with diff file ISSM-22305-22306.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/materials.m
Export determination: 6.
Rationale: BUG: revert to previous version

Change #481 with diff file ISSM-22306-22307.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Materials/Matestar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp
Export determination: 6.
Rationale: CHG: WARNING This is a significant change, we do not average B, D and E over the element anymore because this makes models with few layers but high degree of interpolation useless

Change #482 with diff file ISSM-22307-22308.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matrice.cpp
Export determination: 6.
Rationale: CHG: fixing SIA now that B is not depth averaged

Change #483 with diff file ISSM-22308-22309.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: do not call element->GetMaterialParameter(MaterialsRheologyBEnum) anymore since this is NOT a constant

Change #484 with diff file ISSM-22309-22310.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive111.arch M /issm/trunk-jpl/test/Archives/Archive121.arch
M /issm/trunk-jpl/test/Archives/Archive122.arch M /issm/trunk-jpl/test/Archives/Archive124.arch
M /issm/trunk-jpl/test/Archives/Archive207.arch M /issm/trunk-jpl/test/Archives/Archive209.arch
M /issm/trunk-jpl/test/Archives/Archive210.arch M /issm/trunk-jpl/test/Archives/Archive211.arch
M /issm/trunk-jpl/test/Archives/Archive212.arch M /issm/trunk-jpl/test/Archives/Archive213.arch
M /issm/trunk-jpl/test/Archives/Archive214.arch M /issm/trunk-jpl/test/Archives/Archive215.arch
M /issm/trunk-jpl/test/Archives/Archive224.arch M /issm/trunk-jpl/test/Archives/Archive225.arch
M /issm/trunk-jpl/test/Archives/Archive227.arch M /issm/trunk-jpl/test/Archives/Archive232.arch
M /issm/trunk-jpl/test/Archives/Archive233.arch M /issm/trunk-jpl/test/Archives/Archive237.arch
M /issm/trunk-jpl/test/Archives/Archive261.arch M /issm/trunk-jpl/test/Archives/Archive272.arch
M /issm/trunk-jpl/test/Archives/Archive315.arch M /issm/trunk-jpl/test/Archives/Archive317.arch
M /issm/trunk-jpl/test/Archives/Archive318.arch M /issm/trunk-jpl/test/Archives/Archive324.arch
M /issm/trunk-jpl/test/Archives/Archive326.arch M /issm/trunk-jpl/test/Archives/Archive327.arch
M /issm/trunk-jpl/test/Archives/Archive329.arch M /issm/trunk-jpl/test/Archives/Archive333.arch
M /issm/trunk-jpl/test/Archives/Archive335.arch M /issm/trunk-jpl/test/Archives/Archive344.arch
M /issm/trunk-jpl/test/Archives/Archive409.arch M /issm/trunk-jpl/test/Archives/Archive410.arch
M /issm/trunk-jpl/test/Archives/Archive411.arch M /issm/trunk-jpl/test/Archives/Archive415.arch
M /issm/trunk-jpl/test/Archives/Archive416.arch M /issm/trunk-jpl/test/Archives/Archive431.arch
M /issm/trunk-jpl/test/Archives/Archive432.arch M /issm/trunk-jpl/test/Archives/Archive436.arch
M /issm/trunk-jpl/test/Archives/Archive439.arch M /issm/trunk-jpl/test/Archives/Archive461.arch
M /issm/trunk-jpl/test/Archives/Archive505.arch M /issm/trunk-jpl/test/Archives/Archive506.arch
M /issm/trunk-jpl/test/Archives/Archive507.arch M /issm/trunk-jpl/test/Archives/Archive508.arch
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M /issm/trunk-jpl/test/Archives/Archive515.arch M /issm/trunk-jpl/test/Archives/Archive540.arch
M /issm/trunk-jpl/test/Archives/Archive802.arch M /issm/trunk-jpl/test/Archives/Archive803.arch
M /issm/trunk-jpl/test/Archives/Archive805.arch

Export determination: 6.

Rationale: CHG: new archives now that B is not constant by element

Change #485 with diff file ISSM-22310-22311.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: minor

Change #486 with diff file ISSM-22311-22312.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test508.m M /issm/trunk-jpl/test/NightlyRun/test508.py
Export determination: 6.
Rationale: CHG: relaxing tolerance

Change #487 with diff file ISSM-22312-22313.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test3003.m M /issm/trunk-jpl/test/NightlyRun/test3003.py
Export determination: 6.
Rationale: CHG: relaxing tolerance

Change #488 with diff file ISSM-22313-22314.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test436.m M /issm/trunk-jpl/test/NightlyRun/test436.py
Export determination: 6.
Rationale: CHG: relaxing tolerance

Change #489 with diff file ISSM-22314-22315.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: minor

Change #490 with diff file ISSM-22315-22316.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: CHG: Eased tolerances.

Change #491 with diff file ISSM-22316-22317.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test101.m
Export determination: 6.
Rationale: CHG: Eased tolerances (again).

Change #492 with diff file ISSM-22317-22318.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Eased tolerances (forgot Python).

Change #493 with diff file ISSM-22318-22319.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test210.js M /issm/trunk-jpl/test/NightlyRun/test210.m

M /issm/trunk-jpl/test/NightlyRun/test210.py

Export determination: 6.

Rationale: CHG: relaxing tolerance

Change #494 with diff file ISSM-22319-22320.diff:

Function name:

M /issm/trunk-jpl/src/m/mesh/roundmesh.m M /issm/trunk-jpl/test/Archives/Archive1205.arch

M /issm/trunk-jpl/test/Archives/Archive423.arch M /issm/trunk-jpl/test/Archives/Archive433.arch

Export determination: 6.

Rationale: CHG: fixed roundmesh, need to use linspace rather than colon operator

Change #495 with diff file ISSM-22320-22321.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed python version of roundmesh

Change #496 with diff file ISSM-22321-22322.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1205.arch M /issm/trunk-jpl/test/Archives/Archive1206.arch

M /issm/trunk-jpl/test/Archives/Archive1207.arch M /issm/trunk-jpl/test/Archives/Archive2110.arch

Export determination: 6.

Rationale: CHG: new archives now that roundmesh has changed

Change #497 with diff file ISSM-22322-22323.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test318.py

Export determination: 6.

Rationale: CHG: minor tolerance

Change #498 with diff file ISSM-22323-22324.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.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/mesh2d.js

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

M /issm/trunk-jpl/src/m/classes/mesh3dprisms.js M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m

M /issm/trunk-jpl/src/m/classes/mesh3dprisms.py M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m

Export determination: 6.

Rationale: CHG: adding area correction to compute volumes and areas

Change #499 with diff file ISSM-22324-22325.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: added scale_factor to extrusion/collapse

Change #500 with diff file ISSM-22325-22326.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing python tests

Change #501 with diff file ISSM-22326-22327.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
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/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: adding scale factor in volume computation

Change #502 with diff file ISSM-22327-22328.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing python

Change #503 with diff file ISSM-22328-22329.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed length check on scale_factor

Change #504 with diff file ISSM-22329-22330.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh2dvertical.py M /issm/trunk-jpl/src/m/classes/mesh3dprisms.py

Export determination: 6.

Rationale: FIX: fixed other python scalefactor

Change #505 with diff file ISSM-22330-22331.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/m/solve/parseresultsfrombuffer.js M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py

Export determination: 6.

Rationale: NEW: finished implementing scaled correction functions

Change #506 with diff file ISSM-22331-22332.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive504.arch M /issm/trunk-jpl/test/Archives/Archive506.arch

M /issm/trunk-jpl/test/NightlyRun/test504.m M /issm/trunk-jpl/test/NightlyRun/test504.py

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

Export determination: 6.

Rationale: NEW: added test for new scaled routines

Change #507 with diff file ISSM-22332-22333.diff:

Function name:

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

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: NEW: more test for scaled outputs

Change #508 with diff file ISSM-22333-22334.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: tolerances matlab test

Change #509 with diff file ISSM-22334-22335.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: scaling factor was different in matlab and python

Change #510 with diff file ISSM-22335-22336.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test504.py M /issm/trunk-jpl/test/NightlyRun/test506.py
Export determination: 6.
Rationale: FIX: minor typos in output requested

Change #511 with diff file ISSM-22336-22337.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Regionaloutput.h
Export determination: 6.
Rationale: FIX: forgot to add scaling factor in Regionaloutput

Change #512 with diff file ISSM-22337-22338.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive424.arch M /issm/trunk-jpl/test/Archives/Archive426.arch
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: NEW: change scaling factor to something different than 1

Change #513 with diff file ISSM-22338-22339.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive443.arch M /issm/trunk-jpl/test/NightlyRun/test443.m
M /issm/trunk-jpl/test/NightlyRun/test443.py
Export determination: 6.
Rationale: CHG: added scaling in test443

Change #514 with diff file ISSM-22339-22340.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/ll2xy.m M /issm/trunk-jpl/src/m/coordsystems/xy2ll.m
Export determination: 6.
Rationale: NEW: added scaling_factor option for polar stereographic projections in ll2xy and xy2ll

Change #515 with diff file ISSM-22340-22341.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Params/TransientParam.cpp
Export determination: 6.
Rationale: FIX: fixed problem with interpolation in transient input

Change #516 with diff file ISSM-22341-22342.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive292.arch M /issm/trunk-jpl/test/NightlyRun/test292.m
M /issm/trunk-jpl/test/NightlyRun/test292.py
Export determination: 6.
Rationale: CHG: changed timestepping interpolation to no interpolation to test
TransientParam

Change #517 with diff file ISSM-22342-22343.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test426.py
Export determination: 6.
Rationale: CHG: updated tolerance

Change #518 with diff file ISSM-22343-22344.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test504.py
Export determination: 6.
Rationale: FIX: missing values

Change #519 with diff file ISSM-22344-22345.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test426.py
Export determination: 6.
Rationale: CHG: updated tolerances test426

Change #520 with diff file ISSM-22345-22346.diff:
Function name:

M /issm/trunk-jpl/src/m/plot/plot_unit.py
Export determination: 6.
Rationale: BUG: Bug fix in log for plotmodel

Change #521 with diff file ISSM-22346-22347.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive240.arch
Export determination: 6.
Rationale: CHG: updated archive for fixed TransientParam

Change #522 with diff file ISSM-22347-22348.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test426.py
Export determination: 6.
Rationale: CHG: tolerances test426.py

Change #523 with diff file ISSM-22348-22349.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test435.py M /issm/trunk-jpl/test/NightlyRun/test442.py
Export determination: 6.
Rationale: CHG: update some python tolerances

Change #524 with diff file ISSM-22349-22350.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h
M /issm/trunk-jpl/src/c/cores/esa_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/esa.m
Export determination: 6.
Rationale: CHG: ESA2D can now compute north east components of 2D crustal
disp vector

Change #525 with diff file ISSM-22350-22351.diff:

Function name:

A /issm/trunk-jpl/test/Exp/Ais.exp M /issm/trunk-jpl/test/NightlyRun/test2110.m
M /issm/trunk-jpl/test/NightlyRun/test2110.py A /issm/trunk-jpl/test/NightlyRun/test2111.m
A /issm/trunk-jpl/test/NightlyRun/test2111.py A /issm/trunk-jpl/test/NightlyRun/test2112.m
A /issm/trunk-jpl/test/NightlyRun/test2112.py A /issm/trunk-jpl/test/NightlyRun/test2113.m
A /issm/trunk-jpl/test/NightlyRun/test2113.py

Export determination: 6.

Rationale: NEW: nightly for new features of ESA2D to compute north east components of disp vector

Change #526 with diff file ISSM-22351-22352.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2110.arch A /issm/trunk-jpl/test/Archives/Archive2111.arch
A /issm/trunk-jpl/test/Archives/Archive2112.arch A /issm/trunk-jpl/test/Archives/Archive2113.arch

Export determination: 6.

Rationale: NEW: archives for new tests for ESA2D

Change #527 with diff file ISSM-22352-22353.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/esa.js M /issm/trunk-jpl/src/m/classes/esa.m
M /issm/trunk-jpl/src/m/classes/esa.py

Export determination: 6.

Rationale: CHG: md.esa.hemisphere introduced

Change #528 with diff file ISSM-22353-22354.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: center of frame reference frame implemented

Change #529 with diff file ISSM-22354-22355.diff:

Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py
Export determination: 6.
Rationale: CHG: minor

Change #530 with diff file ISSM-22355-22356.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2110.py
Export determination: 6.
Rationale: BUG: fixed index error in test2110.py

Change #531 with diff file ISSM-22356-22357.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py
Export determination: 6.
Rationale: CHG: minor

Change #532 with diff file ISSM-22357-22358.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py
Export determination: 6.
Rationale: CHG: correct element is replaced for CF

Change #533 with diff file ISSM-22358-22359.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2113.py
Export determination: 6.
Rationale: CHG: correct load location

Change #534 with diff file ISSM-22359-22360.diff:
Function name:
M /issm/trunk-jpl/src/m/boundaryconditions/love_numbers.py
Export determination: 6.

Rationale: CHG: changed love_numbers.py to more closely resemble the .m version

Change #535 with diff file ISSM-22360-22361.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: CHG: optimization of some AMR methods (ReMesh,CreateConstraints,InterpolationInputs).

Change #536 with diff file ISSM-22361-22362.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.cpp M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.cpp M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h

Export determination: 6.

Rationale: CHG: sid is actually id

Change #537 with diff file ISSM-22362-22363.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed problem with counter, we had several constraints with the same ID

Change #538 with diff file ISSM-22363-22364.diff:

Function name:

M /issm/trunk-jpl/externalpackages/adolc/install-withamp.sh

Export determination: 6.

Rationale: CHG: changing installation script for ronre, will see if it breaks anything :(

Change #539 with diff file ISSM-22364-22365.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixing AD's compilation

Change #540 with diff file ISSM-22365-22366.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Fix to gmsh installation script.

Change #541 with diff file ISSM-22366-22367.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Fix to gmsh installation script.

Change #542 with diff file ISSM-22367-22368.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/FetchMatlabData.cpp
Export determination: 6.
Rationale: CHG: fixing options fetching char*

Change #543 with diff file ISSM-22368-22369.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gmsh/install.sh
Export determination: 6.
Rationale: CHG: Modified gmsh install script to explicitly download version 3.0.5

Change #544 with diff file ISSM-22369-22370.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp

Export determination: 6.
Rationale: CHG: do not check basal conditions in convergence tests

Change #545 with diff file ISSM-22370-22371.diff:
Function name:
A /issm/trunk-jpl/examples/shakti A /issm/trunk-jpl/examples/shakti/moulin.par
A /issm/trunk-jpl/examples/shakti/outline.exp A /issm/trunk-jpl/examples/shakti/runme.m
Export determination: 6.
Rationale: CHG: added shakti tests

Change #546 with diff file ISSM-22371-22372.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
Export determination: 6.
Rationale: CHG: do not do convergence tests by default

Change #547 with diff file ISSM-22372-22373.diff:
Function name:
M /issm/trunk-jpl/examples/shakti/runme.m M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/c/cores/hydrology_core.cpp A /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.h
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.h
Export determination: 6.
Rationale: CHG: now have one solution sequence for shakti

Change #548 with diff file ISSM-22373-22374.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch
M /issm/trunk-jpl/test/Archives/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch
Export determination: 6.
Rationale: CHG: Updated archives for SE tests after changing to gmsh-3.0.5

Change #549 with diff file ISSM-22374-22375.diff:
Function name:

M /issm/trunk-jpl/test/Archives/Archive350.arch
Export determination: 6.
Rationale: CHG: updated archive now that shakti has its own solution sequence

Change #550 with diff file ISSM-22375-22376.diff:
Function name:
M /issm/trunk-jpl/src/m/solvers/cgnoneoptions.m
Export determination: 6.
Rationale: BUG: wrong function name in src/m/solvers/cgnoneoptions.m

Change #551 with diff file ISSM-22376-22377.diff:
Function name:
M /issm/trunk-jpl/src/c/main/issm_ocean.cpp
Export determination: 6.
Rationale: NEW: implementing coupling with MITgcm

Change #552 with diff file ISSM-22377-22378.diff:
Function name:
A /issm/trunk-jpl/test/MITgcm/code/eeboot_minimal.F
Export determination: 6.
Rationale: adding code/eeboot_minimal.F

Change #553 with diff file ISSM-22378-22379.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: NEW: using issm_ocean

Change #554 with diff file ISSM-22379-22380.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/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/modules/DistanceToMaskBoundaryx/DistanceToMaskBoundaryx.cpp
M /issm/trunk-jpl/src/c/modules/DistanceToMaskBoundaryx/DistanceToMaskBoundaryxt.cpp
Export determination: 6.
Rationale: CHG: working on automating distance to GL or IF

Change #555 with diff file ISSM-22380-22381.diff:

Function name:
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
Export determination: 6.
Rationale: CHG: fixing bug if initial mesh is not generated by bamg

Change #556 with diff file ISSM-22381-22382.diff:

Function name:
M /issm/trunk-jpl/test/MITgcm/code/eeboot_minimal.F
Export determination: 6.
Rationale: This allows MITgcm and ISSM to run in parallel, but does not yet
do any communications between the two.

Change #557 with diff file ISSM-22382-22383.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/love_core.cpp M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/FourierLoveCorex.cpp
M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/FourierLoveCorex.h M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/love_numbers.f90
M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/model.f90 M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
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: extracting love numbers at depth

Change #558 with diff file ISSM-22383-22384.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/fourierlove.js M /issm/trunk-jpl/src/m/classes/fourierlove.m
M /issm/trunk-jpl/src/m/classes/fourierlove.py M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m
Export determination: 6.

Rationale: NEW: extracting love numbers at depth

Change #559 with diff file ISSM-22384-22385.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive2085.arch A /issm/trunk-jpl/test/NightlyRun/test2085.m

Export determination: 6.

Rationale: NEW: test2085 for love numbers at depth

Change #560 with diff file ISSM-22385-22386.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better check of misfit input data

Change #561 with diff file ISSM-22386-22387.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: improved error message

Change #562 with diff file ISSM-22387-22388.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/numberedcostfunction.m

Export determination: 6.

Rationale:

Change #563 with diff file ISSM-22388-22389.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: default should be 0 for scalar valued fields

Change #564 with diff file ISSM-22389-22390.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_ocean.cpp

Export determination: 6.

Rationale: CHG: fixed intercomm

Change #565 with diff file ISSM-22390-22391.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code/eeboot_minimal.F

Export determination: 6.

Rationale: removing rankzeros array and using default values for MPI_INTERCOMM_CREATE

Change #566 with diff file ISSM-22391-22392.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_ocean.cpp

Export determination: 6.

Rationale: CHG: trying to exchange information

Change #567 with diff file ISSM-22392-22393.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code/eeboot_minimal.F

Export determination: 6.

Rationale: adding test exchange

Change #568 with diff file ISSM-22393-22394.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/code/eedie.F

Export determination: 6.

Rationale: adding MPI_Barrier to eedie for a clean shutdown

Change #569 with diff file ISSM-22394-22395.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_ocean.cpp

Export determination: 6.
Rationale: CHG: some cleaning

Change #570 with diff file ISSM-22395-22396.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch
M /issm/trunk-jpl/test/Archives/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2084.arch
M /issm/trunk-jpl/test/Archives/Archive2085.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch

Export determination: 6.

Rationale: CHG: archives updated to comply with new mesh

Change #571 with diff file ISSM-22396-22397.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2002.arch M /issm/trunk-jpl/test/Archives/Archive2003.arch
M /issm/trunk-jpl/test/Archives/Archive2010.arch M /issm/trunk-jpl/test/Archives/Archive2101.arch

Export determination: 6.

Rationale: CHG: Updated archives for gmsh 3.0.5

Change #572 with diff file ISSM-22397-22398.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2084.arch

Export determination: 6.

Rationale: CHG: Updated archives for gmsh 3.0.5

Change #573 with diff file ISSM-22398-22399.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parsersresultsfromdisk.py A /issm/trunk-jpl/test/NightlyRun/test2085.py

Export determination: 6.

Rationale: BUG: fixed test2085.py and paresresultsfromdisk.py

Change #574 with diff file ISSM-22399-22400.diff:

Function name:

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

Export determination: 6.
Rationale: BUG: parseresultsfromdisk.py was using a function that is not available until numpy 1.8, fixed using older functions

Change #575 with diff file ISSM-22400-22401.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive2084.arch
Export determination: 6.
Rationale: CHG: archive updated

Change #576 with diff file ISSM-22401-22402.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2084.py
Export determination: 6.
Rationale: CHG: cosmetics

Change #577 with diff file ISSM-22402-22403.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/numberedcostfunction.m
Export determination: 6.
Rationale: CHG: adding complexity to numcostfunctions

Change #578 with diff file ISSM-22403-22404.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/misfit.m
Export determination: 6.
Rationale: CHG: cosmetics

Change #579 with diff file ISSM-22404-22405.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
Export determination: 6.
Rationale: CHG: adding enum

Change #580 with diff file ISSM-22405-22406.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding enum

Change #581 with diff file ISSM-22406-22407.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding enum

Change #582 with diff file ISSM-22407-22408.diff:

Function name:

A /issm/trunk-jpl/src/c/classes/Numberedcostfunction.h

Export determination: 6.

Rationale:

Change #583 with diff file ISSM-22408-22409.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add new class Numberedcostfunction

Change #584 with diff file ISSM-22409-22410.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Added outputdenfiton compatability with Numberedcost-function

Change #585 with diff file ISSM-22410-22411.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed memory leaks among other small things

Change #586 with diff file ISSM-22411-22412.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2084.arch

Export determination: 6.

Rationale: CHG: Updated archives for gmsh 3.0.5

Change #587 with diff file ISSM-22412-22413.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test2084.m M /issm/trunk-jpl/test/NightlyRun/test2084.py

Export determination: 6.

Rationale: CHG: Adjusted tolerances for test 2084.

Change #588 with diff file ISSM-22413-22414.diff:

Function name:

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/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dprisms.py

Export determination: 6.

Rationale: CHG: marshallng lat/long for when oceancoupling activated (needed to interpolate with their coordinate system)

Change #589 with diff file ISSM-22414-22415.diff:

Function name:

D /issm/trunk-jpl/src/m/classes/adinversion.m D /issm/trunk-jpl/src/m/classes/adinversion.py

Export determination: 6.

Rationale: CHG: removed class not needed

Change #590 with diff file ISSM-22415-22416.diff:

Function name:
M /issm/trunk-jpl/src/m/coordsystems/gdaltransform.m
Export determination: 6.
Rationale: CHG: more flexible gdaltransform

Change #591 with diff file ISSM-22416-22417.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefi
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
Export determination: 6.
Rationale: CHG: recover lat/long if ocean coupling is activated

Change #592 with diff file ISSM-22417-22418.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp
M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: CHG: better shielding of bamg functions

Change #593 with diff file ISSM-22418-22419.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h M /issm/trunk-jpl/src/c/modules/InterpFromMeshToMesh2dx/
M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: CHG: better way to deal with BAMG compilation

Change #594 with diff file ISSM-22419-22420.diff:

Function name:
A /issm/trunk-jpl/src/m/classes/basalforcingspico.m
Export determination: 6.
Rationale: NEW: adding new class that will eventually implement PICO

Change #595 with diff file ISSM-22420-22421.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing symbol from interp2d not found

Change #596 with diff file ISSM-22421-22422.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: apply frontal undercutting only for almost grounded ice

Change #597 with diff file ISSM-22422-22423.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changed from header file to .cpp

Change #598 with diff file ISSM-22423-22424.diff:

Function name:

A /issm/trunk-jpl/src/c/classes/Numberedcostfunction.cpp

Export determination: 6.

Rationale: ADD: Added Numberedcostfunction.cpp and converted .h to header file

Change #599 with diff file ISSM-22424-22425.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: added PassiveVector option for ADOLC

Change #600 with diff file ISSM-22425-22426.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/classes/Params/Parameter

Export determination: 6.

Rationale: CHG: added FindParamAndMakePassive for ADOLC

Change #601 with diff file ISSM-22426-22427.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Added Numberedcostfunction.cpp to the list

Change #602 with diff file ISSM-22427-22428.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: adding cpp files for Nodalvalues, Misfit, and Regionaloutput

Change #603 with diff file ISSM-22428-22429.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding Nodalvalue, Misfit, and Regionaloutput to Makefile list

Change #604 with diff file ISSM-22429-22430.diff:

Function name:

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

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

M /issm/trunk-jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/NightlyRun/test244.m

Export determination: 6.

Rationale: CHG: make dt thermo much smaller for diffusion stability

Change #605 with diff file ISSM-22430-22431.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive243.arch

Export determination: 6.

Rationale: CHG: update Gemb archive for linux

Change #606 with diff file ISSM-22431-22432.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m

Export determination: 6.

Rationale: CHG: loosen GEMB constraints

Change #607 with diff file ISSM-22432-22433.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/Gembx.cpp M /issm/trunk-

jpl/test/Archives/Archive243.arch M /issm/trunk-jpl/test/Archives/Archive244.arch

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: decreasing gemb thermo dt to 1/11

Change #608 with diff file ISSM-22433-22434.diff:

Function name:

M /issm/trunk-jpl/src/m/miscellaneous/colorbars.js

Export determination: 6.

Rationale: CHG: Adding additional colorbars.

Change #609 with diff file ISSM-22434-22435.diff:

Function name:

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

M /issm/trunk-jpl/src/m/plot/plot_overlay.js M /issm/trunk-jpl/src/m/plot/plot_quiver.js

M /issm/trunk-jpl/src/m/plot/plot_transient_movie.js M /issm/trunk-jpl/src/m/plot/plot_unit.js

M /issm/trunk-jpl/src/m/plot/plotdoc.js M /issm/trunk-jpl/src/m/plot/plotmodel.js

M /issm/trunk-jpl/src/m/plot/webgl.js M /issm/trunk-jpl/src/m/plot/webgl_node.js
Export determination: 6.
Rationale: CHG (JS): Updating js scripts.

Change #610 with diff file ISSM-22435-22436.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/amr.js
Export determination: 6.
Rationale: BUG (JS): Fixing typos and formatting for amr.js.

Change #611 with diff file ISSM-22436-22437.diff:
Function name:
A /issm/trunk-jpl/test/MITgcm/coupling_rules.txt
Export determination: 6.
Rationale: minor adding coupling rules

Change #612 with diff file ISSM-22437-22438.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.cpp M /issm/trunk-jpl/src/c/classes/Misfit.h
M /issm/trunk-jpl/src/c/classes/Nodalvalue.h M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.h
M /issm/trunk-jpl/src/c/classes/Regionaloutput.cpp M /issm/trunk-jpl/src/c/classes/Regionaloutput.h
M /issm/trunk-jpl/src/c/cores/ad_core.cpp A /issm/trunk-jpl/src/c/cores/controlADm1qn3_core.cpp
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
Export determination: 6.
Rationale: ADD: allows AD to be used with m1qn3 core, not compiled in now
(dead code)

Change #613 with diff file ISSM-22438-22439.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.cpp M /issm/trunk-jpl/src/c/classes/Misfit.h
M /issm/trunk-jpl/src/c/classes/Nodalvalue.h M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.h
M /issm/trunk-jpl/src/c/classes/Regionaloutput.cpp M /issm/trunk-jpl/src/c/classes/Regionaloutput.h

M /issm/trunk-jpl/src/c/cores/ad_core.cpp D /issm/trunk-jpl/src/c/cores/controlADm1qn3_core.cpp
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
Export determination: 6.
Rationale: CHG: reverting previous commit

Change #614 with diff file ISSM-22439-22440.diff:

Function name:
A /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp
Export determination: 6.
Rationale: ADD: allows AD to be used with m1qn3 core, not compiled in now

Change #615 with diff file ISSM-22440-22441.diff:

Function name:
D /issm/trunk-jpl/test/MITgcm/build/mitgcmuv
Export determination: 6.
Rationale: mitgcmuv executable should not be version-controlled, it is built

Change #616 with diff file ISSM-22441-22442.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.h M /issm/trunk-jpl/src/c/classes/Nodalvalue.h
M /issm/trunk-jpl/src/c/classes/Numberedcostfunction.h M /issm/trunk-jpl/src/c/classes/Regionaloutput.h
Export determination: 6.
Rationale: CHG: cosmetic changes and slimmed down number of files in headers

Change #617 with diff file ISSM-22442-22443.diff:

Function name:
M /issm/trunk-jpl/externalpackages M /issm/trunk-jpl/lib M /issm/trunk-jpl/src/c
M /issm/trunk-jpl/src/c/classes/Dakota M /issm/trunk-jpl/src/c/main M /issm/trunk-jpl/src/c/main/issm_ocean.cpp M /issm/trunk-jpl/src/c/modules M /issm/trunk-jpl/src/c/modules/DistanceToMaskBoundaryx M /issm/trunk-jpl/src/c/modules/FourierLoveCorex
M /issm/trunk-jpl/src/c/modules/GeothermalFluxx M /issm/trunk-jpl/src/c/modules/GiaDeflectionCorex
M /issm/trunk-jpl/src/c/shared/io/Marshalling M /issm/trunk-jpl/src/wrappers

M /issm/trunk-jpl/src/wrappers/DistanceToMaskBoundary M /issm/trunk-jpl/src/wrappers/Issm
M /issm/trunk-jpl/src/wrappers/javascript/io M /issm/trunk-jpl/test/MITgcm
M /issm/trunk-jpl/test/MITgcm/build M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt
M /issm/trunk-jpl/test/NightlyRun
Export determination: 6.
Rationale: - starting to add text to test/MITgcm/coupling_rules.txt - adding
some ignore file commands using: svn propedit svn:ignore .

Change #618 with diff file ISSM-22443-22444.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/cores/WrapperCorePointerFromSolutionEnum.
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/cores.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
A /issm/trunk-jpl/src/m/classes/adm1qn3inversion.m

Export determination: 6.

Rationale: CHG/ADD: new adm1qn3inversion m class and modify files to make
ad/m1qn3 work

Change #619 with diff file ISSM-22444-22445.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: more careful definitions of initialization/termination procedures

Change #620 with diff file ISSM-22445-22446.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cp

Export determination: 6.

Rationale: CHG: added if adolc for controlad to compile

Change #621 with diff file ISSM-22446-22447.diff:

Function name:

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

Export determination: 6.

Rationale: CHG (JS): Adding deepCopy routine to model.js.

Change #622 with diff file ISSM-22447-22448.diff:

Function name:

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

Export determination: 6.

Rationale: BUG (JS): Correcting deepCopy routine undefined reference error.

Change #623 with diff file ISSM-22448-22449.diff:

Function name:

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

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

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

jpl/src/c/shared/Elements/elements.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/StringTo

M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py

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

Export determination: 6.

Rationale: CHG: add pdd factor input field

Change #624 with diff file ISSM-22449-22450.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test323.m M /issm/trunk-jpl/test/NightlyRun/test323.py

Export determination: 6.

Rationale: CHG: relaxed tolerance

Change #625 with diff file ISSM-22450-22451.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancecx/Gembx.cpp M /issm/trunk-

jpl/src/c/modules/SurfaceMassBalancecx/SurfaceMassBalancecx.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/SMBgemb.m

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

Export determination: 6.

Rationale: CHG: add albedo and emissivity input to SMBgemb class

Change #626 with diff file ISSM-22451-22452.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive243.arch

Export determination: 6.

Rationale: CHG: update albedo archive, since lower layers are no longer changed in schemes 1-4

Change #627 with diff file ISSM-22452-22453.diff:

Function name:

A /issm/trunk-jpl/src/m/parameterization/reinitializelevelset.m

Export determination: 6.

Rationale: CHG: added handy function to change levelset to a signed distance

Change #628 with diff file ISSM-22453-22454.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: minor base not bed is send by ISSM

Change #629 with diff file ISSM-22454-22455.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: minor missing grid properties

Change #630 with diff file ISSM-22455-22456.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: minor change

Change #631 with diff file ISSM-22456-22457.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetxt.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #632 with diff file ISSM-22457-22458.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: added more rules

Change #633 with diff file ISSM-22458-22459.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetxt.cpp

Export determination: 6.

Rationale: CHG: cosmetics

Change #634 with diff file ISSM-22459-22460.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/timestepping.js M /issm/trunk-jpl/src/m/classes/timestepping.m

M /issm/trunk-jpl/src/m/classes/timestepping.py M /issm/trunk-jpl/src/m/classes/timesteppingadaptive.js

M /issm/trunk-jpl/src/m/classes/timesteppingadaptive.m M /issm/trunk-jpl/src/m/classes/timesteppingadap

Export determination: 6.

Rationale: ADD: adding coupling_time for ice/ocean coupling

Change #635 with diff file ISSM-22460-22461.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing python class with coupling_time

Change #636 with diff file ISSM-22461-22462.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: big change here, we do not extrapolate the nodes that are active but on places where $\phi_i = 0$, this will affect results and tests. Best thing to do before the week end...

Change #637 with diff file ISSM-22462-22463.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: some changes in the coupling rules

Change #638 with diff file ISSM-22463-22464.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

Export determination: 6.

Rationale: ADD: new enum

Change #639 with diff file ISSM-22464-22465.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive540.arch M /issm/trunk-jpl/test/Archives/Archive801.arch

M /issm/trunk-jpl/test/Archives/Archive802.arch M /issm/trunk-jpl/test/Archives/Archive803.arch

M /issm/trunk-jpl/test/Archives/Archive804.arch M /issm/trunk-jpl/test/Archives/Archive805.arch

M /issm/trunk-jpl/test/Archives/Archive806.arch M /issm/trunk-jpl/test/Archives/Archive807.arch

M /issm/trunk-jpl/test/Archives/Archive808.arch

Export determination: 6.

Rationale: CHG: updating calving archives now that no extrapolation is done on frontal nodes

Change #640 with diff file ISSM-22465-22466.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_ocean.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreatePar

Export determination: 6.

Rationale: ADD: some parameters needed for the ocean coupling

Change #641 with diff file ISSM-22466-22467.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added enums

Change #642 with diff file ISSM-22467-22468.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added enums

Change #643 with diff file ISSM-22468-22469.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added enums

Change #644 with diff file ISSM-22469-22470.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added enums

Change #645 with diff file ISSM-22470-22471.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Added enums

Change #646 with diff file ISSM-22471-22472.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp A /issm/trunk-jpl/src/c/classes/Params/TransientA
A /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.h M /issm/trunk-
jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/cores/transient_core.cpp M
/issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.h
M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp M
/issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEn
M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: added Pico

Change #647 with diff file ISSM-22472-22473.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: syncing Enum highlighting

Change #648 with diff file ISSM-22473-22474.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/
M /issm/trunk-jpl/src/c/modules/ModelProcessors/CreateParameters.cpp

Export determination: 6.

Rationale: CHG: fixgin compilation

Change #649 with diff file ISSM-22474-22475.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitio
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEn

Export determination: 6.

Rationale: CHG: some changes for calvinghab

Change #650 with diff file ISSM-22475-22476.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.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 M /issm/trunk-jpl/src/m/classes/SMBgemb.m
M /issm/trunk-jpl/src/m/classes/SMBgemb.py

Export determination: 6.

Rationale: CHG: add thermo scaling factor as input and add an option for ingestion of albedo for only areas of ice

Change #651 with diff file ISSM-22476-22477.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: abs is not a C++ standard function, replaced with fabs

Change #652 with diff file ISSM-22477-22478.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: shielding ADLOC

Change #653 with diff file ISSM-22478-22479.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/FourierLoveCorex/lovenb_sub.f90

Export determination: 6.

Rationale: CHG: ordering issue regardg even yi resolved

Change #654 with diff file ISSM-22479-22480.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive2085.arch

Export determination: 6.

Rationale: CHG: archive updated for Love kernels

Change #655 with diff file ISSM-22480-22481.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed NULL pointer to avoid compilation issue

Change #656 with diff file ISSM-22482-22483.diff:

Function name:

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

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp M /issm/trunk-

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

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

M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp M /issm/trunk-jpl/src/m/classes/SMBgemb.m

M /issm/trunk-jpl/src/m/classes/SMBgemb.py M /issm/trunk-jpl/test/Archives/Archive243.arch

Export determination: 6.

Rationale: CHG: add option for forcing albedo only above a specific surface density

Change #657 with diff file ISSM-22483-22484.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/slr.js M /issm/trunk-jpl/src/m/classes/thermal.js

M /issm/trunk-jpl/src/m/classes/trans.js

Export determination: 6.

Rationale: CHG (JS): Updating missing js fields.

Change #658 with diff file ISSM-22484-22485.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add option for static spc for the SMB Pdd schemes

Change #659 with diff file ISSM-22485-22486.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: use NAN to set static spc for the SMB Pdd schemes

Change #660 with diff file ISSM-22486-22487.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.8-macosx64.sh

Export determination: 6.

Rationale: CHG: added install-3.8-macosx64.sh

Change #661 with diff file ISSM-22487-22488.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.8-linux64.sh M /issm/trunk-

jpl/externalpackages/petsc/install-3.8-macosx64.sh

Export determination: 6.

Rationale: CHG: upgrading to 3.8.3

Change #662 with diff file ISSM-22488-22489.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: updated crevasse-depth calving law

Change #663 with diff file ISSM-22489-22490.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/calvingcrevassedepth.m M /issm/trunk-jpl/src/m/classes/calvinghab.m

Export determination: 6.

Rationale: CHG: updated crevasse-depth and hab calving law

Change #664 with diff file ISSM-22490-22491.diff:

Function name:

M /issm/trunk-jpl/src/c/main/issm_ocean.cpp
Export determination: 6.
Rationale: CHG: removing test to exchange information

Change #665 with diff file ISSM-22491-22492.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: ADD: starting to exchange info with MITgcm, will clean up later

Change #666 with diff file ISSM-22492-22493.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: fixed AD suff

Change #667 with diff file ISSM-22493-22494.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/xy2ll.m M /issm/trunk-jpl/src/m/coordsystems/xy2ll.py
Export determination: 6.
Rationale: BUG: lat lon are in radiant first, and then we convert them to degrees:

Change #668 with diff file ISSM-22495-22496.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/shared/Elements/ComputeD18OTemperaturePrecipitationFromPD.cpp
M /issm/trunk-jpl/src/c/shared/Elements/elements.h M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinition
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum
M /issm/trunk-jpl/src/m/classes/SMBd18opdd.m M /issm/trunk-jpl/src/m/classes/SMBd18opdd.py
Export determination: 6.
Rationale: CHG: add option to turn off temperature scaling for the d18opdd scheme

Change #669 with diff file ISSM-22496-22497.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: minor update to velocity min value for gemb thermo module

Change #670 with diff file ISSM-22497-22498.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: BUG: use — instead of —

Change #671 with diff file ISSM-22498-22499.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/main/issm.js M

/issm/trunk-jpl/src/c/modules/CoordinateSystemTransformx/CoordinateSystemTransformx.cpp

A /issm/trunk-jpl/src/c/modules/ProcessRiftsx (from /issm/trunk-jpl/src/c/modules/TriMeshProcessRiftsx:2

A /issm/trunk-jpl/src/c/modules/ProcessRiftsx/ProcessRiftsx.cpp (from /issm/trunk-

jpl/src/c/modules/TriMeshProcessRiftsx/TriMeshProcessRiftsx.cpp:22496) A /issm/trunk-

jpl/src/c/modules/ProcessRiftsx/ProcessRiftsx.h (from /issm/trunk-jpl/src/c/modules/TriMeshProcessRiftsx

D /issm/trunk-jpl/src/c/modules/ProcessRiftsx/TriMeshProcessRiftsx.cpp D /issm/trunk-

jpl/src/c/modules/ProcessRiftsx/TriMeshProcessRiftsx.h D /issm/trunk-jpl/src/c/modules/TriMeshProcessR

D /issm/trunk-jpl/src/c/modules/TriMeshx A /issm/trunk-jpl/src/c/modules/Trianglex

(from /issm/trunk-jpl/src/c/modules/TriMeshx:22497) D /issm/trunk-jpl/src/c/modules/Trianglex/TriMeshx

D /issm/trunk-jpl/src/c/modules/Trianglex/TriMeshx.h A /issm/trunk-jpl/src/c/modules/Trianglex/Triangl

(from /issm/trunk-jpl/src/c/modules/TriMeshx/TriMeshx.cpp:22496) A /issm/trunk-

jpl/src/c/modules/Trianglex/Trianglex.h (from /issm/trunk-jpl/src/c/modules/TriMeshx/TriMeshx.h:22496)

M /issm/trunk-jpl/src/c/modules/modules.h D /issm/trunk-jpl/src/c/shared/TriMesh

A /issm/trunk-jpl/src/c/shared/Triangle (from /issm/trunk-jpl/src/c/shared/TriMesh:22497)

D /issm/trunk-jpl/src/c/shared/Triangle/TriMeshUtils.cpp A /issm/trunk-jpl/src/c/shared/Triangle/Triangl

(from /issm/trunk-jpl/src/c/shared/TriMesh/TriMeshUtils.cpp:22496) A /issm/trunk-

jpl/src/c/shared/Triangle/triangle.h (from /issm/trunk-jpl/src/c/shared/TriMesh/trimesh.h:22496)

D /issm/trunk-jpl/src/c/shared/Triangle/trimesh.h M /issm/trunk-jpl/src/c/shared/shared.h

M /issm/trunk-jpl/src/m/mesh/argusmesh.m M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessrifts.m

M /issm/trunk-jpl/src/m/mesh/rifts/meshprocessrifts.py M /issm/trunk-jpl/src/m/mesh/triangle.js

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

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

(from /issm/trunk-jpl/src/m/modules/TriMeshProcessRifts.m:22497) A /issm/trunk-

jpl/src/m/modules/ProcessRifts.py (from /issm/trunk-jpl/src/m/modules/TriMeshProcessRifts.py:22497)

D /issm/trunk-jpl/src/m/modules/TriMesh.m D /issm/trunk-jpl/src/m/modules/TriMesh.py

D /issm/trunk-jpl/src/m/modules/TriMeshProcessRifts.m D /issm/trunk-jpl/src/m/modules/TriMeshProcess
 A /issm/trunk-jpl/src/m/modules/Triangle.m (from /issm/trunk-jpl/src/m/modules/TriMesh.m:22497)
 A /issm/trunk-jpl/src/m/modules/Triangle.py (from /issm/trunk-jpl/src/m/modules/TriMesh.py:22497)
 A /issm/trunk-jpl/src/wrappers/ProcessRifts (from /issm/trunk-jpl/src/wrappers/TriMeshProcessRifts:22497)
 A /issm/trunk-jpl/src/wrappers/ProcessRifts/ProcessRifts.cpp (from /issm/trunk-jpl/src/wrappers/TriMeshProcessRifts/TriMeshProcessRifts.cpp:22496) A /issm/trunk-jpl/src/wrappers/ProcessRifts/ProcessRifts.h (from /issm/trunk-jpl/src/wrappers/TriMeshProcessRifts/TriMeshProcessRifts.h:22497) D /issm/trunk-jpl/src/wrappers/ProcessRifts/TriMeshProcessRifts.cpp D /issm/trunk-jpl/src/wrappers/ProcessRifts/TriMeshProcessRifts.h D /issm/trunk-jpl/src/wrappers/TriMeshProcessRifts A /issm/trunk-jpl/src/wrappers/Triangle (from /issm/trunk-jpl/src/wrappers/TriMesh:22497) D /issm/trunk-jpl/src/wrappers/Triangle/TriMesh.cpp D /issm/trunk-jpl/src/wrappers/Triangle/TriMesh.h D /issm/trunk-jpl/src/wrappers/Triangle/TriMesh.js A /issm/trunk-jpl/src/wrappers/Triangle/Triangle.cpp (from /issm/trunk-jpl/src/wrappers/TriMesh/TriMesh.h:22497) A /issm/trunk-jpl/src/wrappers/Triangle/Triangle.h (from /issm/trunk-jpl/src/wrappers/TriMesh/TriMesh.h:22497) A /issm/trunk-jpl/src/wrappers/Triangle/Triangle.js (from /issm/trunk-jpl/src/wrappers/TriMesh/TriMesh.js:22497) M /issm/trunk-jpl/src/wrappers/javascript/Makefile.am M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am
 Export determination: 6.
 Rationale: CHG: renaming TriMesh Triangle, for consistency (we use a mesher whose name is triangle, Trimesh is another mesher that we do not use)

Change #672 with diff file ISSM-22499-22500.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Triangle/AssociateSegmentToElement.cpp M /issm/trunk-jpl/src/c/shared/Triangle/GridInsideHole.cpp M /issm/trunk-jpl/src/c/shared/Triangle/OrderSegment.cpp
 M /issm/trunk-jpl/src/c/shared/Triangle/SplitMeshForRifts.cpp

Export determination: 6.

Rationale: CHG: forgot to change include trimesh to triangle

Change #673 with diff file ISSM-22500-22501.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test1101.m
 M /issm/trunk-jpl/test/NightlyRun/test613.m

Export determination: 6.

Rationale: CHG: sped up squremesh (needed for BedMachine Ant.)

Change #674 with diff file ISSM-22501-22502.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test1101.m
M /issm/trunk-jpl/test/NightlyRun/test613.m
Export determination: 6.
Rationale: CHG: reverted tests

Change #675 with diff file ISSM-22502-22503.diff:
Function name:
M /issm/trunk-jpl/src/m/mesh/squaremesh.m
Export determination: 6.
Rationale: CHG: sped up squaremesh (needed for BedMachine Ant.)

Change #676 with diff file ISSM-22503-22504.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: compute basal melt rates BEFORE masstransport

Change #677 with diff file ISSM-22504-22505.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive293.arch
Export determination: 6.
Rationale: CHG: new archive now that melting rate is computed BEFORE
masstransport

Change #678 with diff file ISSM-22505-22506.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m M /issm/trunk-jpl/src/m/classes/linearbasalforcings.p
M /issm/trunk-jpl/src/m/classes/mismipbasalforcings.m M /issm/trunk-jpl/src/m/classes/mismipbasalforcings
Export determination: 6.
Rationale: CHG: do not compute melt before marshalling

Change #679 with diff file ISSM-22506-22507.diff:
Function name:

M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp
Export determination: 6.
Rationale: CHG: do not compute melt before marshallng

Change #680 with diff file ISSM-22507-22508.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp
A /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.h A /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.cpp
A /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.h M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/classes.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.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: ADD/CHG: allow for multiple outputdefinitions and take cost function measurements at specified points in time

Change #681 with diff file ISSM-22508-22509.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/cfsurfacelogvel.m A /issm/trunk-jpl/src/m/classes/cfsurfacesquare.m
Export determination: 6.

Rationale: ADD: .m files to make cost func at specific time

Change #682 with diff file ISSM-22509-22510.diff:

Function name:

M /issm/trunk-jpl/externalpackages/valgrind/install-linux64.sh D /issm/trunk-jpl/externalpackages/valgrind/install-macosx32.sh M /issm/trunk-jpl/externalpackages/valgrind/install-macosx64.sh

Export determination: 6.

Rationale: CHG: now use latest version of valgrind

Change #683 with diff file ISSM-22510-22511.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: getting rid of TripleMultiply in HO (too much time lost with multiplications and xNew in GetB

Change #684 with diff file ISSM-22511-22512.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: removing some TripleMulitply

Change #685 with diff file ISSM-22512-22513.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive437.arch

Export determination: 6.

Rationale: CHG: slightly changed K matrix

Change #686 with diff file ISSM-22513-22514.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: switching to non matrixmultiply code

Change #687 with diff file ISSM-22514-22515.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test339.m M /issm/trunk-jpl/test/NightlyRun/test339.py

M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test435.py

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #688 with diff file ISSM-22515-22516.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.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/Inputs/ControlInput.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.h M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.c
M /issm/trunk-jpl/src/c/modules/ModelProcessox/Control/CreateParametersControl.cpp
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/ModelProcessox/CreateOutputDefinitions.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessox/CreateParameters.cpp M
/issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp M /issm/trunk-
jpl/src/m/classes/adm1qn3inversion.m M /issm/trunk-jpl/src/m/classes/autodiff.m
M /issm/trunk-jpl/src/m/classes/independent.m
Export determination: 6.
Rationale: CHG: changes to allow AD/m1qn3 to work

Change #689 with diff file ISSM-22516-22517.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: change so code will compile

Change #690 with diff file ISSM-22517-22518.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Cfsurfacesquare.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessox/Con

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

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

Export determination: 6.

Rationale: CHG: cosmetic changes and code to fix test failures

Change #691 with diff file ISSM-22518-22519.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: AXPY not needed

Change #692 with diff file ISSM-22519-22520.diff:

Function name:

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/DoubleArray
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.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/TetraInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TetraInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/Transient
M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TriaInput.h

Export determination: 6.

Rationale: CHG: removing old function that we don't need

Change #693 with diff file ISSM-22520-22521.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test435.m M /issm/trunk-jpl/test/NightlyRun/test435.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #694 with diff file ISSM-22521-22522.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: simplifying implementation of inputs, should call GetInput rather than reimplementing the same thing over and over again

Change #695 with diff file ISSM-22522-22523.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing compilation

Change #696 with diff file ISSM-22523-22524.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.c
Export determination: 6.
Rationale: CHG: removing TripleMultiply where needed

Change #697 with diff file ISSM-22524-22525.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: AD compiler wants D[9] instead of D[3x3]

Change #698 with diff file ISSM-22525-22526.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test285.m M /issm/trunk-jpl/test/NightlyRun/test285.py
Export determination: 6.
Rationale: CHG: Eased tolerances.

Change #699 with diff file ISSM-22526-22527.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp
Export determination: 6.
Rationale: CHG: better handling of anisotropic diffusion

Change #700 with diff file ISSM-22527-22528.diff:
Function name:
M /issm/trunk-jpl/src/m/modules/Kriging.m
Export determination: 6.
Rationale: CHG: allow to have error as an output as well

Change #701 with diff file ISSM-22528-22529.diff:
Function name:
M /issm/trunk-jpl/src/m/solve/solve.m
Export determination: 6.
Rationale: CHG: new solution

Change #702 with diff file ISSM-22529-22530.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: use gfortran instead of ifort

Change #703 with diff file ISSM-22530-22531.diff:

Function name:

M /issm/trunk-jpl/externalpackages/valgrind/issm.supp

Export determination: 6.

Rationale: CHG: more things to ignore

Change #704 with diff file ISSM-22531-22532.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD compilation

Change #705 with diff file ISSM-22532-22533.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/code/EESUPPORT.h A /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F

A /issm/trunk-jpl/test/MITgcm/code/do_oceanic_phys.F M /issm/trunk-jpl/test/MITgcm/code/eeboot_minim

Export determination: 6.

Rationale: moving communication to cpl_issm.F called by do_oceanic_phys.F

Change #706 with diff file ISSM-22533-22534.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: cheking ocean parameters are recovered

Change #707 with diff file ISSM-22534-22535.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: got rid of B and Bprime for FS, in hope to increase model performance

Change #708 with diff file ISSM-22535-22536.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing GetB and GetBprime

Change #709 with diff file ISSM-22536-22537.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: fix for ad nightly tests to work

Change #710 with diff file ISSM-22537-22538.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: fix for AD nightly runs

Change #711 with diff file ISSM-22538-22539.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow for `--with-scalapack-lib` option

Change #712 with diff file ISSM-22539-22540.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance
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/solve/parseresultsfrom
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.py M /issm/trunk-jpl/test/Archives/Archive243.arch
M /issm/trunk-jpl/test/Archives/Archive244.arch M /issm/trunk-jpl/test/NightlyRun/test243.m
M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: edits to the GEMB thermo module, add FAC calculation, fix
enums to remove underscore

Change #713 with diff file ISSM-22540-22541.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

Export determination: 6.

Rationale: CHG: loosen FAC constraint

Change #714 with diff file ISSM-22541-22542.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing AD

Change #715 with diff file ISSM-22542-22543.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed basal drag sign

Change #716 with diff file ISSM-22543-22544.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing LSF slope as default requested output

Change #717 with diff file ISSM-22544-22545.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing compilation

Change #718 with diff file ISSM-22545-22546.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test219.js M /issm/trunk-jpl/test/NightlyRun/test219.m

M /issm/trunk-jpl/test/NightlyRun/test219.py

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #719 with diff file ISSM-22546-22547.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F

Export determination: 6.

Rationale: MITgcm sends XC/YC to ISSM.

Change #720 with diff file ISSM-22547-22548.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: exchanging matrices for the coupling

Change #721 with diff file ISSM-22548-22549.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to fix windows

Change #722 with diff file ISSM-22549-22550.diff:

Function name:

M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: giving it another shot

Change #723 with diff file ISSM-22550-22551.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: forgot to include to fi

Change #724 with diff file ISSM-22551-22552.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Profiler.cpp
M /issm/trunk-jpl/src/c/classes/Profiler.h M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_adjoin
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp M /issm/trunk-
jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp M /issm/trunk-
jpl/src/c/solutionsequences/solutionsequence_la.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_linear.cpp M /issm/trunk-
jpl/src/c/solutionsequences/solutionsequence_newton.cpp M /issm/trunk-jpl/src/c/solutionsequences/solution
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_shakti_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_stokescoupling_nonlinear.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.
Rationale: CHG: revised how profiling is done and added solver time to see how
much time we spend solver linear systems

Change #725 with diff file ISSM-22552-22553.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #726 with diff file ISSM-22553-22554.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixing js compile

Change #727 with diff file ISSM-22554-22555.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Profiler.cpp
Export determination: 6.
Rationale: CHG: fixing AD compilation

Change #728 with diff file ISSM-22555-22556.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp
Export determination: 6.
Rationale: CHG: slight increase in run speed

Change #729 with diff file ISSM-22556-22557.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Bamg/HeapSort.h
Export determination: 6.
Rationale: CHG: fixing HeapSort with ordering requested as output

Change #730 with diff file ISSM-22557-22558.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/IntVecParam.cpp
Export determination: 6.
Rationale: CHG: better echo

Change #731 with diff file ISSM-22558-22559.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/main/globals.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Autodiff/CreateParametersAutodiff.cpp
M /issm/trunk-jpl/src/c/modules/ParseToolkitsOptionsx/ParseToolkitsOptionsx.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/c/toolkits/ToolkitOptions
M /issm/trunk-jpl/src/c/toolkits/ToolkitOptions.h M /issm/trunk-jpl/src/c/toolkits/objects/Matrix.h
M /issm/trunk-jpl/src/c/toolkits/objects/Vector.h
Export determination: 6.
Rationale: CHG: better handling of toolkits, now remove option toolkit from
options so that mkl does not get confused

Change #732 with diff file ISSM-22559-22560.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/Parameters.h
Export determination: 6.
Rationale: CHG: fixing NR

Change #733 with diff file ISSM-22560-22561.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp M /issm/trunk-jpl/src/c/toolkits/petsc/patches/New
Export determination: 6.
Rationale: CHG: cleanup, forget about PETSc 2 now

Change #734 with diff file ISSM-22561-22562.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp
Export determination: 6.
Rationale: CHG: fixing windows, still using PETSC 3.6

Change #735 with diff file ISSM-22562-22563.diff:
Function name:
M /issm/trunk-jpl/src/m/solvers/mumpsoptions.m
Export determination: 6.
Rationale: CHG: speed up pleiades by a factor of 2

Change #736 with diff file ISSM-22563-22564.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test540.m M /issm/trunk-jpl/test/NightlyRun/test540.py

Export determination: 6.

Rationale: BUG: force MUMPS sequential analysis

Change #737 with diff file ISSM-22564-22565.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test215.py M /issm/trunk-jpl/test/NightlyRun/test427.m

M /issm/trunk-jpl/test/NightlyRun/test427.py M /issm/trunk-jpl/test/NightlyRun/test460.m

M /issm/trunk-jpl/test/NightlyRun/test460.py

Export determination: 6.

Rationale: CHG: Adjusted tolerances.

Change #738 with diff file ISSM-22565-22566.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test243.m M /issm/trunk-jpl/test/NightlyRun/test243.py

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

Export determination: 6.

Rationale: CHG: Adjusted tolerances.

Change #739 with diff file ISSM-22566-22567.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #740 with diff file ISSM-22567-22568.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: resetting overshoot to 0, many tests will fail and be updated

accordingly

Change #741 with diff file ISSM-22568-22569.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive1501.arch M /issm/trunk-jpl/test/Archives/Archive1502.arch
M /issm/trunk-jpl/test/Archives/Archive1601.arch M /issm/trunk-jpl/test/Archives/Archive201.arch
M /issm/trunk-jpl/test/Archives/Archive202.arch M /issm/trunk-jpl/test/Archives/Archive203.arch
M /issm/trunk-jpl/test/Archives/Archive204.arch M /issm/trunk-jpl/test/Archives/Archive205.arch
M /issm/trunk-jpl/test/Archives/Archive206.arch M /issm/trunk-jpl/test/Archives/Archive207.arch
M /issm/trunk-jpl/test/Archives/Archive208.arch M /issm/trunk-jpl/test/Archives/Archive209.arch
M /issm/trunk-jpl/test/Archives/Archive210.arch M /issm/trunk-jpl/test/Archives/Archive211.arch
M /issm/trunk-jpl/test/Archives/Archive212.arch M /issm/trunk-jpl/test/Archives/Archive213.arch
M /issm/trunk-jpl/test/Archives/Archive214.arch M /issm/trunk-jpl/test/Archives/Archive215.arch
M /issm/trunk-jpl/test/Archives/Archive216.arch M /issm/trunk-jpl/test/Archives/Archive217.arch
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M /issm/trunk-jpl/test/Archives/Archive241.arch M /issm/trunk-jpl/test/Archives/Archive242.arch
M /issm/trunk-jpl/test/Archives/Archive260.arch M /issm/trunk-jpl/test/Archives/Archive261.arch
M /issm/trunk-jpl/test/Archives/Archive270.arch M /issm/trunk-jpl/test/Archives/Archive272.arch
M /issm/trunk-jpl/test/Archives/Archive273.arch M /issm/trunk-jpl/test/Archives/Archive274.arch
M /issm/trunk-jpl/test/Archives/Archive275.arch M /issm/trunk-jpl/test/Archives/Archive280.arch
M /issm/trunk-jpl/test/Archives/Archive285.arch M /issm/trunk-jpl/test/Archives/Archive290.arch
M /issm/trunk-jpl/test/Archives/Archive291.arch M /issm/trunk-jpl/test/Archives/Archive292.arch
M /issm/trunk-jpl/test/Archives/Archive293.arch M /issm/trunk-jpl/test/Archives/Archive336.arch
M /issm/trunk-jpl/test/Archives/Archive337.arch M /issm/trunk-jpl/test/Archives/Archive338.arch
M /issm/trunk-jpl/test/Archives/Archive339.arch M /issm/trunk-jpl/test/Archives/Archive806.arch
M /issm/trunk-jpl/test/Archives/Archive807.arch M /issm/trunk-jpl/test/Archives/Archive808.arch

Export determination: 6.

Rationale: CHG: updating archives now that overshoot is 0

Change #742 with diff file ISSM-22569-22570.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive501.arch M /issm/trunk-jpl/test/Archives/Archive502.arch
M /issm/trunk-jpl/test/Archives/Archive503.arch M /issm/trunk-jpl/test/Archives/Archive504.arch
M /issm/trunk-jpl/test/Archives/Archive505.arch M /issm/trunk-jpl/test/Archives/Archive506.arch
M /issm/trunk-jpl/test/Archives/Archive507.arch M /issm/trunk-jpl/test/Archives/Archive508.arch
M /issm/trunk-jpl/test/Archives/Archive509.arch M /issm/trunk-jpl/test/Archives/Archive510.arch
M /issm/trunk-jpl/test/Archives/Archive511.arch M /issm/trunk-jpl/test/Archives/Archive512.arch
M /issm/trunk-jpl/test/Archives/Archive513.arch M /issm/trunk-jpl/test/Archives/Archive515.arch
M /issm/trunk-jpl/test/Archives/Archive516.arch M /issm/trunk-jpl/test/Archives/Archive530.arch
M /issm/trunk-jpl/test/Archives/Archive531.arch M /issm/trunk-jpl/test/Archives/Archive540.arch
M /issm/trunk-jpl/test/NightlyRun/test215.js M /issm/trunk-jpl/test/NightlyRun/test215.m
M /issm/trunk-jpl/test/NightlyRun/test215.py M /issm/trunk-jpl/test/NightlyRun/test460.m
M /issm/trunk-jpl/test/NightlyRun/test460.py
Export determination: 6.
Rationale: CHG: updating archives now that overshoot is 0

Change #743 with diff file ISSM-22570-22571.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test233.js M /issm/trunk-jpl/test/NightlyRun/test233.m
M /issm/trunk-jpl/test/NightlyRun/test233.py M /issm/trunk-jpl/test/NightlyRun/test404.m
M /issm/trunk-jpl/test/NightlyRun/test404.py M /issm/trunk-jpl/test/NightlyRun/test460.m
M /issm/trunk-jpl/test/NightlyRun/test460.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #744 with diff file ISSM-22571-22572.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_caladan M /issm/trunk-jpl/jenkins/linux64_caladan_ad
M /issm/trunk-jpl/jenkins/linux64_caladan_ampi M /issm/trunk-jpl/jenkins/linux64_ross
M /issm/trunk-jpl/jenkins/linux64_ross_ad M /issm/trunk-jpl/jenkins/linux64_ross_ampi
M /issm/trunk-jpl/jenkins/linux64_ross_dakota M /issm/trunk-jpl/jenkins/linux64_ross_gia
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean M /issm/trunk-jpl/jenkins/linux64_ross_python
M /issm/trunk-jpl/jenkins/linux64_ross_se

Export determination: 6.

Rationale: CHG: Added cmake to Jenkins build config files, where applicable.

Change #745 with diff file ISSM-22572-22573.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test216.py M /issm/trunk-jpl/test/NightlyRun/test339.m
M /issm/trunk-jpl/test/NightlyRun/test339.py
Export determination: 6.
Rationale: CHG: Eased tolerances.

Change #746 with diff file ISSM-22573-22574.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removing overshoot from stress balance (makes models crash and is not faster)

Change #747 with diff file ISSM-22574-22575.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive234.arch M /issm/trunk-jpl/test/Archives/Archive235.arch
M /issm/trunk-jpl/test/Archives/Archive250.arch M /issm/trunk-jpl/test/Archives/Archive251.arch

Export determination: 6.

Rationale: CHG: Updated archives.

Change #748 with diff file ISSM-22575-22576.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test221.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.par

M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksAB.py M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.

M /issm/trunk-jpl/test/Par/GiaIvinsBenchmarksCD.py M /issm/trunk-jpl/test/Par/IceCube.par

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

M /issm/trunk-jpl/test/Par/RoundSheetShelf.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/SquareShelfConstrained.js

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

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

Export determination: 6.

Rationale: CHG: no more overshoot

Change #749 with diff file ISSM-22576-22577.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/StressbalanceSIAAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceVerticalAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.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/snowpack.m M /issm/trunk-jpl/src/m/classes/stressbalance.js M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py M /issm/trunk-jpl/src/py3/classes/stressbalance.py M /issm/trunk-jpl/src/py3/modifier.sh

Export determination: 6.

Rationale: CHG: no more viscosity_overhoot, makes models crash and they don't go faster

Change #750 with diff file ISSM-22577-22578.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing tolerance

Change #751 with diff file ISSM-22578-22579.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test411.py

Export determination: 6.

Rationale: CHG: relaxing tolerance

Change #752 with diff file ISSM-22579-22580.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxing tolerance

Change #753 with diff file ISSM-22580-22581.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am D /issm/trunk-jpl/src/c/toolkits/petsc/patches/PetscOptionsInsertMult
M /issm/trunk-jpl/src/c/toolkits/petsc/patches/petscpatches.h
Export determination: 6.
Rationale: CHG: this function is no longer needed

Change #754 with diff file ISSM-22581-22582.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_se
Export determination: 6.
Rationale: CHG: Corrected MATLAB path for Linux Solid Earth build.

Change #755 with diff file ISSM-22582-22583.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h
Export determination: 6.
Rationale: CHG: added support for PDOUBLE

Change #756 with diff file ISSM-22583-22584.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h
Export determination: 6.
Rationale: BUG: fixed compilation for non adolc code

Change #757 with diff file ISSM-22584-22585.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
Export determination: 6.
Rationale: CHG: added some Enums to test new interface for inputs

Change #758 with diff file ISSM-22585-22586.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/mpi/issmmpi.h

Export determination: 6.
Rationale: CHG: fixing compilation of modules

Change #759 with diff file ISSM-22586-22587.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/stressbalance_core.cpp M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: adolc/m1qn3 enabling so ind not double counted

Change #760 with diff file ISSM-22587-22588.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/DependentObject.cpp M /issm/trunk-jpl/src/c/classes/DependentObject.h
Export determination: 6.
Rationale: CHG: added functions to DependentObject

Change #761 with diff file ISSM-22588-22589.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Params/DataSetParam.cpp M /issm/trunk-jpl/src/c/classes/Params/DataSe
M /issm/trunk-jpl/src/c/classes/Params/Param.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp
Export determination: 6.
Rationale: CHG: fix nightly tests errors

Change #762 with diff file ISSM-22589-22590.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: FIX: nightly test fix

Change #763 with diff file ISSM-22590-22591.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: FIX: compiling error

Change #764 with diff file ISSM-22591-22592.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h
Export determination: 6.
Rationale: CHG: allow adolc to use mumpssolver

Change #765 with diff file ISSM-22592-22593.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test404.m M /issm/trunk-jpl/test/NightlyRun/test404.py
Export determination: 6.
Rationale: CHG: relaxing tolerances

Change #766 with diff file ISSM-22593-22594.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/applyoptions.m
Export determination: 6.
Rationale: CHG: inset should take xlim and ylim into account.

Change #767 with diff file ISSM-22594-22595.diff:
Function name:
M /issm/trunk-jpl/src/c/toolkits/petsc/objects/PetscSolver.cpp
Export determination: 6.
Rationale: CHG: reenale petsc dev

Change #768 with diff file ISSM-22595-22596.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-dev-linux64.sh
Export determination: 6.
Rationale: CHG: reenale petsc dev

Change #769 with diff file ISSM-22596-22597.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

Export determination: 6.

Rationale: CHG: reordering Enums

Change #770 with diff file ISSM-22597-22598.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx.pine-island_dakota

Export determination: 6.

Rationale: CHG: Testing Mac Dakota build with single core.

Change #771 with diff file ISSM-22598-22599.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

Export determination: 6.

Rationale: CHG: moving an enum to the parameter set

Change #772 with diff file ISSM-22599-22600.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

Export determination: 6.

Rationale: CHG: moving an enum to the parameter set

Change #773 with diff file ISSM-22600-22601.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

Export determination: 6.

Rationale: CHG: moving an enum to the parameter set

Change #774 with diff file ISSM-22601-22602.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

Export determination: 6.

Rationale: CHG: adding more Enums to Parameters list

Change #775 with diff file ISSM-22602-22603.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

Export determination: 6.

Rationale: CHG: adding one more ENum to paramter list

Change #776 with diff file ISSM-22603-22604.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island_dakota

Export determination: 6.

Rationale: CHG: Testing Mac Dakota build with single thread.

Change #777 with diff file ISSM-22604-22605.diff:

Function name:

M /issm/trunk-jpl/jenkins/macosx_pine-island_dakota

Export determination: 6.

Rationale: CHG: Reverting changes to Mac Dakota config.

Change #778 with diff file ISSM-22605-22606.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

Export determination: 6.

Rationale: CHG: adding more enums

Change #779 with diff file ISSM-22606-22607.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M
/issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Enum/Synchronous.cpp

Export determination: 6.

Rationale: CHG: fixing some enums

Change #780 with diff file ISSM-22607-22608.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: more enum stuff

Change #781 with diff file ISSM-22608-22609.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SmbAnalysis.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: changing enums

Change #782 with diff file ISSM-22609-22610.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EsaAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SealevelriseAnalysis.cpp
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/EnumToString.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp

Export determination: 6.

Rationale: CHG: fixing some enums

Change #783 with diff file ISSM-22610-22611.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow m1qn3/adolc to work

Change #784 with diff file ISSM-22611-22612.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Dakota/CreateParametersDakota.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: more enum stuff

Change #785 with diff file ISSM-22612-22613.diff:

Function name:

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

A /issm/trunk-jpl/src/c/classes/Cfdragcoeffabsgrad.h M /issm/trunk-jpl/src/c/classes/Cfsurfacelogvel.cpp

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

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

M /issm/trunk-jpl/src/c/cores/controladm1qn3.core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/

M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.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/c/shared/io/Marshalling/

Export determination: 6.

Rationale: CHG/ADD: adding Cfgradcoeff class and making other code work for adolc

Change #786 with diff file ISSM-22613-22614.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.petsclibs.patch

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux64.sh M /issm/trunk-jpl/jenkins/linux64_ross_dakota

Export determination: 6.

Rationale: CHG: Stability improvements for Linux_Ubuntu_Dakota build.

Change #787 with diff file ISSM-22614-22615.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: add runoff before delete of no mass layer

Change #788 with diff file ISSM-22615-22616.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test803.m M /issm/trunk-jpl/test/NightlyRun/test803.py

Export determination: 6.

Rationale: CHG: relaxing tolerances

Change #789 with diff file ISSM-22616-22617.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/configs/6.2/CMakeLists.txt.petsclibs.patch

Export determination: 6.

Rationale: BUG: fixed patch:

Change #790 with diff file ISSM-22617-22618.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Dakota/IssmParallelDirectApplicInterface.cpp

M /issm/trunk-jpl/src/c/classes/Params/Param.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp

M /issm/trunk-jpl/src/c/classes/Params/Parameters.h M /issm/trunk-jpl/src/c/modules/InputUpdateFromD

M /issm/trunk-jpl/src/c/modules/ModelProcessors/Dakota/CreateParametersDakota.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: variable descriptors should not be in params (it's really messed up because we have two objects with the same enum in params and inputs, which is totally confusing), created a special param to hold all of the variables

Change #791 with diff file ISSM-22618-22619.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic.m M /issm/trunk-jpl/src/m/solve/solve.m

Export determination: 6.

Rationale: CHG: minor: added check on file existence

Change #792 with diff file ISSM-22619-22620.diff:

Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: show log if failed

Change #793 with diff file ISSM-22620-22621.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: moving Outputdefinitions

Change #794 with diff file ISSM-22621-22622.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Enum changes

Change #795 with diff file ISSM-22623-22624.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #796 with diff file ISSM-22624-22625.diff:

Function name:

M /issm/trunk-jpl/externalpackages/emscripten/install.sh M /issm/trunk-jpl/externalpackages/gsl/install-javascript.sh M /issm/trunk-jpl/externalpackages/triangle/install-javascript.sh

M /issm/trunk-jpl/jenkins/linux64_ross_javascript

Export determination: 6.

Rationale: CHG: Config adjustments for Linux JavaScript build.

Change #797 with diff file ISSM-22625-22626.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Element.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/classes/Params/BoolParam.h M /issm/trunk-jpl/src/c/classes/Params/DataSetParam.h
M /issm/trunk-jpl/src/c/classes/Params/DoubleMatArrayParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleMatParam.h
M /issm/trunk-jpl/src/c/classes/Params/DoubleParam.h M /issm/trunk-jpl/src/c/classes/Params/DoubleVecParam.h
M /issm/trunk-jpl/src/c/classes/Params/FileParam.h M /issm/trunk-jpl/src/c/classes/Params/GenericParam.h
M /issm/trunk-jpl/src/c/classes/Params/IntMatParam.h M /issm/trunk-jpl/src/c/classes/Params/IntParam.h
M /issm/trunk-jpl/src/c/classes/Params/IntVecParam.h M /issm/trunk-jpl/src/c/classes/Params/MatrixParam.h
M /issm/trunk-jpl/src/c/classes/Params/Param.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp
M /issm/trunk-jpl/src/c/classes/Params/Parameters.h M /issm/trunk-jpl/src/c/classes/Params/StringArrayParam.h
M /issm/trunk-jpl/src/c/classes/Params/StringParam.h M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.h
M /issm/trunk-jpl/src/c/classes/Params/TransientParam.h M /issm/trunk-jpl/src/c/classes/Params/VectorParam.h
A /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatePicox A /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatePicox/FloatingIceMeltingRatePicox.cpp
A /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatePicox/FloatingIceMeltingRatePicox.h
M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp
M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp 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/StringToEnumx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.h
M /issm/trunk-jpl/src/m/classes/basalforcingspico.m A /issm/trunk-jpl/test/Archives/Archive470.arch
A /issm/trunk-jpl/test/NightlyRun/test470.m

Export determination: 6.

Rationale: NEW: added pico ocean melt parameterization and its nightly run

test

Change #798 with diff file ISSM-22626-22627.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py

Export determination: 6.

Rationale: CHG: Eased tolerances.

Change #799 with diff file ISSM-22627-22628.diff:

Function name:

Export determination: 6.

Change #800 with diff file ISSM-22628-22629.diff:

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

M /issm/trunk-jpl/src/c/classes/Params/DoubleMatParam.h M /issm/trunk-

M /issm/trunk-jpl/src/c/classes/Params/DoubleVecParam.h M /issm/trunk-

M /issm/trunk-jpl/src/c/classes/Params/IntMatParam.h M /issm/trunk-jpl/src/c/classes/Params/IntParam.h

M /issm/trunk-jpl/src/c/classes/Params/Param.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp

M /issm/trunk-jpl/src/c/classes/Params/StringParam.h M /issm/trunk-jpl/src/c/classes/Params/TransientA

jpl/src/c/classes/Params/TransientParam.h M /issm/trunk-jpl/src/c/classes/Params/VectorParam.h

Export determination: 6.

Change #801 with diff file ISSM-22629-22630.diff:

M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F

Rationale:

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

Export determination: 6.

Change #803 with diff file ISSM-22631-22632.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: fixing AD, basin id needs to be cast as an int

Change #804 with diff file ISSM-22632-22633.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test470.m
Export determination: 6.
Rationale: CHG: relaxing tolerances

Change #805 with diff file ISSM-22633-22634.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controladm1qn3_core.cpp
Export determination: 6.
Rationale: FIX: allow for ad/m1qn3 to work in parallel

Change #806 with diff file ISSM-22634-22635.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/Exceptions/exceptions.h
Export determination: 6.
Rationale: CHG: to NOT return 0 if exception was caught!

Change #807 with diff file ISSM-22635-22636.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test470.m
Export determination: 6.
Rationale: CHG: no more overshoot

Change #808 with diff file ISSM-22636-22637.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F M /issm/trunk-jpl/test/MITgcm/code/eeboot_minimal.F

Export determination: 6.
Rationale: fixing a bug in cpl_issm

Change #809 with diff file ISSM-22637-22638.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #810 with diff file ISSM-22638-22639.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: fixed coupling bug

Change #811 with diff file ISSM-22639-22640.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologySommersAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #812 with diff file ISSM-22640-22641.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F
Export determination: 6.
Rationale: receiving ice base

Change #813 with diff file ISSM-22641-22642.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/camhpc.m
Export determination: 6.
Rationale: CHG: adapted for migration to CSD3 Mar 18

Change #814 with diff file ISSM-22642-22643.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed problem with boxid!=0

Change #815 with diff file ISSM-22643-22644.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed valgrind error when param is not a transient param

Change #816 with diff file ISSM-22644-22645.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed eval from runme to gain some speed

Change #817 with diff file ISSM-22645-22646.diff:

Function name:

M /issm/trunk-jpl/src/m/os/issmdir.m

Export determination: 6.

Rationale: CHG: improved speed of issmdir by calling mfilename instead of which

Change #818 with diff file ISSM-22646-22647.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed check

Change #819 with diff file ISSM-22647-22648.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.cpp M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.cpp
Export determination: 6.
Rationale: CHG: simplifying number of ids, removing index as it just repeats
sid

Change #820 with diff file ISSM-22648-22649.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt
Export determination: 6.
Rationale: CHG: updating rules with TODO list

Change #821 with diff file ISSM-22649-22650.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: added exchange of melt rate in ocean coupling

Change #822 with diff file ISSM-22652-22653.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py
Export determination: 6.
Rationale: CHG: Eased tolerances.

Change #823 with diff file ISSM-22653-22654.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F
Export determination: 6.
Rationale: sending melt rate

Change #824 with diff file ISSM-22654-22655.diff:

Function name:

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

Export determination: 6.

Rationale: small bug fix, array "is" a pointer

Change #825 with diff file ISSM-22655-22656.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: minor

Change #826 with diff file ISSM-22656-22657.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/main/issm_ocean.cpp

Export determination: 6.

Rationale: CHG: cleaning up ocean information exchange

Change #827 with diff file ISSM-22657-22658.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test204.m M /issm/trunk-jpl/test/NightlyRun/test426.m

Export determination: 6.

Rationale: CHG: minor tolerances

Change #828 with diff file ISSM-22658-22659.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test204.py M /issm/trunk-jpl/test/NightlyRun/test426.py

Export determination: 6.

Rationale: CHG: minor tolerances python

Change #829 with diff file ISSM-22659-22660.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/solveiceocean.m

Export determination: 6.
Rationale: FIX: no space after file names

Change #830 with diff file ISSM-22660-22661.diff:
Function name:
A /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: ADD: Translation of InterpFromGridToMesh.cpp to JS.

Change #831 with diff file ISSM-22661-22662.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/javascript/Makefile.am
Export determination: 6.
Rationale: CHG: Added InterpFromGridToMesh to Javascript wrappers Makefile.am.

Change #832 with diff file ISSM-22662-22663.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/javascript/Makefile.am
Export determination: 6.
Rationale: CHG: Removed blank link following trailing backslash from Javascript wrappers Makefile.am.

Change #833 with diff file ISSM-22663-22664.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: CHG: Changed name of argument defaultValue -i, defaultValueIn.

Change #834 with diff file ISSM-22664-22665.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/localpfe.m
Export determination: 6.

Rationale: FIX: minor missing space

Change #835 with diff file ISSM-22665-22666.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/solveiceocean.m

Export determination: 6.

Rationale: FIX: fixed solveiceocean

Change #836 with diff file ISSM-22666-22667.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added functions in generic cluster for ice/ocean coupling

Change #837 with diff file ISSM-22667-22668.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: NEW: added Chaco and MeshPartition to the list of python libs

Change #838 with diff file ISSM-22668-22669.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: CHG: switching back to previous version

Change #839 with diff file ISSM-22669-22670.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/build.sh

Export determination: 6.

Rationale: FIX: fixed build

Change #840 with diff file ISSM-22670-22671.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: FIX: test now running with coupled model

Change #841 with diff file ISSM-22671-22672.diff:

Function name:

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

M /issm/trunk-jpl/src/wrappers/matlab/io/WriteMatlabData.cpp M /issm/trunk-jpl/src/wrappers/matlab/io/matlabio.h

Export determination: 6.

Rationale: CHG: revising Chaco's interface to integrate python

Change #842 with diff file ISSM-22672-22673.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: adding lines that prepare MITgcm for step #12: RunCoupledMITgcmISSM2

Change #843 with diff file ISSM-22673-22674.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.h

M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js

Export determination: 6.

Rationale: CHG: Changes to InterpFromGridToMesh header and JS wrapper.

Change #844 with diff file ISSM-22674-22675.diff:

Function name:

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

M /issm/trunk-jpl/src/wrappers/MeshPartition/MeshPartition.h M /issm/trunk-jpl/src/wrappers/python/Makefile.am

M /issm/trunk-jpl/src/wrappers/python/Makefile.am M /issm/trunk-jpl/src/wrappers/python/io/FetchPythonData.cpp

M /issm/trunk-jpl/src/wrappers/python/io/WritePythonData.cpp M /issm/trunk-jpl/src/wrappers/python/io/pythonio.h

Export determination: 6.
Rationale: CHG: working on making Chaco and MeshPartition python friendly

Change #845 with diff file ISSM-22675-22676.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/Chacox/user_params.cpp
Export determination: 6.
Rationale: CHG: fixing warning in Chaco

Change #846 with diff file ISSM-22676-22677.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.h
Export determination: 6.
Rationale: CHG: Corrections to InterpFromGridToMesh header to support JS wrapper.

Change #847 with diff file ISSM-22677-22678.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/thermal.js M /issm/trunk-jpl/src/wrappers/javascript/Makefile.am
Export determination: 6.
Rationale: CHG (JS): Fixing syntax issue in thermal.js. Adding InterpFrom-GridToMesh to exported functions in js builds.

Change #848 with diff file ISSM-22678-22679.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.h
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: CHG: Modified JS module and header file for InterpFromGrid-ToMesh to correctly retrieve data and mesh input lengths.

Change #849 with diff file ISSM-22679-22680.diff:
Function name:

M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: CHG: Modified JS module to accept args for data width and length.

Change #850 with diff file ISSM-22680-22681.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: CHG: Fixed typo HEAP64 -j, HEAPF64.

Change #851 with diff file ISSM-22681-22682.diff:
Function name:
A /issm/trunk-jpl/test/MITgcm/code/CPP_EEOPTIONS.h M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F
M /issm/trunk-jpl/test/MITgcm/code/do_oceanic_phys.F M /issm/trunk-jpl/test/MITgcm/code/eeboot_mini.F
M /issm/trunk-jpl/test/MITgcm/code/eedie.F
Export determination: 6.
Rationale: Adding runtime variable, which will allow running MITgcm with
and without ISSM coupler!

Change #852 with diff file ISSM-22682-22683.diff:
Function name:
M /issm/trunk-jpl/test/MITgcm/input/eedata A /issm/trunk-jpl/test/MITgcm/input/eedata_uncoupled
Export determination: 6.
Rationale: eedata_uncoupled will allow same MITgcm executable to run in un-
coupled mode

Change #853 with diff file ISSM-22683-22684.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: Uncoupled MITgcm set-up now runs with same executable!

Change #854 with diff file ISSM-22684-22685.diff:

Function name:
M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt
Export determination: 6.
Rationale: update wish list

Change #855 with diff file ISSM-22685-22686.diff:

Function name:
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.h
M /issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.js
Export determination: 6.
Rationale: CHG (JS): JS debugging of InterpFromGridToMesh. Narrowing
down WriteData bug

Change #856 with diff file ISSM-22686-22687.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: trying to fix compilation when it fails with multiple threads

Change #857 with diff file ISSM-22687-22688.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test4001.m M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: FIX: fixed standalone ocean in test4001 and 4002

Change #858 with diff file ISSM-22688-22689.diff:

Function name:
M /issm/trunk-jpl/jenkins/linux64_ross.iceocean
Export determination: 6.
Rationale: CHG: added second ocean test

Change #859 with diff file ISSM-22689-22690.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/javascript/io/WriteJavascriptData.cpp M /issm/trunk-jpl/src/wrappers/javascript/io/javascriptio.h
Export determination: 6.
Rationale: CHG (JS): Adding missing JS WriteData for IssmSeqVec.

Change #860 with diff file ISSM-22690-22691.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean
Export determination: 6.
Rationale: minor

Change #861 with diff file ISSM-22691-22692.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean
Export determination: 6.
Rationale: minor

Change #862 with diff file ISSM-22692-22693.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean
Export determination: 6.
Rationale: CHG: minor trying to figure out the problem with jenkins ice/ocean

Change #863 with diff file ISSM-22693-22694.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: CHG: trying to figure out why the second ocean test is not working

Change #864 with diff file ISSM-22694-22695.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_ross_iceocean
Export determination: 6.

Rationale: CHG; adding both ocean tests

Change #865 with diff file ISSM-22695-22696.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: minor

Change #866 with diff file ISSM-22696-22697.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/6.2/sandia_rules.cpp.patch

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel15-discover.sh M /issm/trunk-

jpl/externalpackages/dakota/install-6.2-intel16-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install

6.2-linux64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-lonestar.sh

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-snowleopard.sh

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-yosemite.sh M

/issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh M /issm/trunk-

jpl/externalpackages/dakota/install-6.2-pleiades.sh

Export determination: 6.

Rationale: CHG: patch dakota bug that throws error in high sierra

Change #867 with diff file ISSM-22697-22698.diff:

Function name:

M /issm/trunk-jpl/externalpackages/valgrind/issm.supp

Export determination: 6.

Rationale: CHG: some more supressions

Change #868 with diff file ISSM-22698-22699.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vimrc

Export determination: 6.

Rationale: CHG: reactivating p1 for matlab

Change #869 with diff file ISSM-22699-22700.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel15-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-intel16-discover.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-linux64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-lonestar.sh
A /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-highsierra.sh
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-snowleopard.sh
M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64-yosemite.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-macosx64.sh M /issm/trunk-jpl/externalpackages/dakota/install-6.2-pleiades.sh

Export determination: 6.

Rationale: CHG: revert high sierra patch and add new install for that OS

Change #870 with diff file ISSM-22700-22701.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/io/Marshalling/IoCodeConversions.cpp

Export determination: 6.

Rationale: CHG: add some calving fields for sampling

Change #871 with diff file ISSM-22701-22702.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added dem field if dem is not the same as field

Change #872 with diff file ISSM-22702-22703.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

Export determination: 6.

Rationale: NEW: new enums for ocean coupling

Change #873 with diff file ISSM-22703-22704.diff:

Function name:

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

M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
Export determination: 6.
Rationale: NEW: adding coupling in regular time steps

Change #874 with diff file ISSM-22704-22705.diff:

Function name:

M /issm/trunk-jpl/externalpackages/neopz/install.sh M /issm/trunk-jpl/m4/issm_options.m4

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

Export determination: 6.

Rationale: CHG: changed sub dir in NeoPZ install file. Fixed a bug on AMR calling NeoPZ

Change #875 with diff file ISSM-22705-22706.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: rearranging send/receive operations, so easier to figure out what to do on MITgcm side and for improved clarity

Change #876 with diff file ISSM-22706-22707.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: same order of exchanges, but use same numbering convention in start from scratch and restart

Change #877 with diff file ISSM-22707-22708.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/coupling_rules.txt

Export determination: 6.

Rationale: instructions unchanged. changing the numbering of the steps so that they have same number if they perform same function

Change #878 with diff file ISSM-22708-22709.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F

Export determination: 6.

Rationale: implementing coupling rules

Change #879 with diff file ISSM-22709-22710.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changed the order of the coupling

Change #880 with diff file ISSM-22710-22711.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.m

Export determination: 6.

Rationale: CHG: update dakota parse to remove warnings

Change #881 with diff file ISSM-22711-22712.diff:

Function name:

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

Export determination: 6.

Rationale: adding missing "icebase = xNew ..."

Change #882 with diff file ISSM-22712-22713.diff:

Function name:

M /issm/trunk-jpl/test/MITgcm/code/cpl_issm.F

Export determination: 6.

Rationale: saving in COMMON block and broadcasting CouplingTime

Change #883 with diff file ISSM-22713-22714.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.
Rationale: setting `async_step_MITgcm_multiplier=1` and shortening the length of the experiments so that both offline and online versions can run the same experiment

Change #884 with diff file `ISSM-22714-22715.diff`:
Function name:
M `/issm/trunk-jpl/test/MITgcm/input/data`
Export determination: 6.
Rationale: more frequent MITgcm diagnostics in `STDOUT`

Change #885 with diff file `ISSM-22715-22716.diff`:
Function name:
M `/issm/trunk-jpl/jenkins/linux64_ross.javascript` M `/issm/trunk-jpl/src/m/plot/plot_mesh.js`
M `/issm/trunk-jpl/src/wrappers/InterpFromGridToMesh/InterpFromGridToMesh.h`
Export determination: 6.
Rationale: CHG (JS): Fixing transpose error in `InterFromGridToMesh.js` wrapper.

Change #886 with diff file `ISSM-22716-22717.diff`:
Function name:
M `/issm/trunk-jpl/src/m/solve/solve.js`
Export determination: 6.
Rationale: CHG: diverse

Change #887 with diff file `ISSM-22717-22718.diff`:
Function name:
A `/issm/trunk-jpl/src/m/solvers/issmmumpssolver.js`
Export determination: 6.
Rationale: CHG: diverse

Change #888 with diff file `ISSM-22718-22719.diff`:
Function name:

M /issm/trunk-jpl/src/m/classes/trans.js
Export determination: 6.
Rationale: CHG: changing default.

Change #889 with diff file ISSM-22719-22720.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.js
Export determination: 6.
Rationale: CHG: some changes.

Change #890 with diff file ISSM-22720-22721.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test119.m
Export determination: 6.
Rationale: CHG: removed extraneous text

Change #891 with diff file ISSM-22721-22722.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test421.m M /issm/trunk-jpl/test/NightlyRun/test421.py
M /issm/trunk-jpl/test/NightlyRun/test460.m M /issm/trunk-jpl/test/NightlyRun/test460.py
Export determination: 6.
Rationale: CHG: relaxed tol

Change #892 with diff file ISSM-22722-22723.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.
Rationale: minor

Change #893 with diff file ISSM-22723-22724.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4002.m
Export determination: 6.

Rationale: minor

Change #894 with diff file ISSM-22724-22725.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_ross_iceocean

Export determination: 6.

Rationale: CHG: added `-with-ocean=yes`

Change #895 with diff file ISSM-22725-22726.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not compile kml by default

Change #896 with diff file ISSM-22726-22727.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive4002.arch M /issm/trunk-jpl/test/NightlyRun/test4002.m

Export determination: 6.

Rationale: CHG: archives for test 4002

Change #897 with diff file ISSM-22727-22728.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

Export determination: 6.

Rationale: Adding Enums to enable transient ControlInputs

Change #898 with diff file ISSM-22728-22729.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: add bottom layer flux to runoff

Change #899 with diff file ISSM-22729-22730.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: convert index to int

Change #900 with diff file ISSM-22730-22731.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: use printf instead of mexPrintf

Change #901 with diff file ISSM-22731-22732.diff:

Function name:

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

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

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

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

M /issm/trunk-jpl/src/wrappers/InterpFromMesh2d/InterpFromMesh2d.cpp

Export determination: 6.

Rationale: CHG: moving some double pointers to int

Change #902 with diff file ISSM-22732-22733.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/Tetra.h

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

M /issm/trunk-jpl/src/c/classes/Params/TransientArrayParam.cpp M /issm/trunk-

jpl/src/c/modules/FloatingIceMeltingRatePicox/FloatingIceMeltingRatePicox.cpp

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

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

/issm/trunk-jpl/test/Archives/Archive470.arch

Export determination: 6.

Rationale: CHG: Update PICO sub-shelf melting rate module

Change #903 with diff file ISSM-22733-22734.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive470.arch

Export determination: 6.

Rationale: CHG: Update NightlyRun 470 Archive

Change #904 with diff file ISSM-22734-22735.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive470.arch M /issm/trunk-jpl/test/NightlyRun/test470.m

Export determination: 6.

Rationale: FIX: Fixed nightly test 470

Change #905 with diff file ISSM-22735-22736.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test470.m

Export determination: 6.

Rationale: FIX: update nightly run test 470 again

Change #906 with diff file ISSM-22736-22737.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: conserve energy when adding or removing bottom layers

Change #907 with diff file ISSM-22737-22738.diff:

Function name:

M /issm/trunk-jpl/src/c/toolkits/issm/IssmDenseMat.h M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiDense

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

M /issm/trunk-jpl/src/c/toolkits/issm/IssmSeqVec.h M /issm/trunk-jpl/src/c/toolkits/issm/SparseRow.h

Export determination: 6.

Rationale: CHG: corrected definition of norm inf

Change #908 with diff file ISSM-22738-22739.diff:

Function name:
M /issm/trunk-jpl/src/c/toolkits/issm/IssmMpiVec.h
Export determination: 6.
Rationale: Remove print statements

Change #909 with diff file ISSM-22739-22740.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
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/TransientInput.cpp M /issm/trunk-jpl/src/c/cores/controladm1qn3.c
M /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx/ControlInputSetGradientx.cpp
M /issm/trunk-jpl/src/c/modules/GetVectorFromControlInputsx/GetVectorFromControlInputsx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.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/SetControlInputsF
Export determination: 6.
Rationale: CHG: allow for transient ControlInputs

Change #910 with diff file ISSM-22740-22741.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Inputs/TransientInput.cpp
M /issm/trunk-jpl/src/c/modules/ControlInputSetGradientx/ControlInputSetGradientx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
Export determination: 6.
Rationale: CHG: clean up code

Change #911 with diff file ISSM-22741-22742.diff:

Function name:
M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m
Export determination: 6.
Rationale: CHG: add time and step first, then field

Change #912 with diff file ISSM-22742-22743.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: revert to surplus energy loop from clang

Change #913 with diff file ISSM-22743-22744.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive480.arch A /issm/trunk-jpl/test/Archives/Archive481.arch

A /issm/trunk-jpl/test/NightlyRun/test480.m A /issm/trunk-jpl/test/NightlyRun/test481.m

Export determination: 6.

Rationale: ADD: nightly tests for ADOLC m1qn3 with transient and static controlinputs

Change #914 with diff file ISSM-22744-22745.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add .m fields for adolc m1qn3

Change #915 with diff file ISSM-22745-22746.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/README

Export determination: 6.

Rationale: CHG: website is more up to date than README

Change #916 with diff file ISSM-22746-22747.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive3480.arch A /issm/trunk-jpl/test/Archives/Archive3481.arch

D /issm/trunk-jpl/test/Archives/Archive480.arch D /issm/trunk-jpl/test/Archives/Archive481.arch

A /issm/trunk-jpl/test/NightlyRun/test3480.m A /issm/trunk-jpl/test/NightlyRun/test3481.m

D /issm/trunk-jpl/test/NightlyRun/test480.m D /issm/trunk-jpl/test/NightlyRun/test481.m

Export determination: 6.

Rationale: CHG: change names of nightly tests for adolc

Change #917 with diff file ISSM-22747-22748.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/Gembx.cpp

Export determination: 6.

Rationale: CHG: check mass as done in other GEMB routines

Change #918 with diff file ISSM-22748-22749.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: better way of retrieving Ids

Change #919 with diff file ISSM-22749-22750.diff:

Function name:

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

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

/issm/trunk-jpl/src/m/classes/basalforcingspico.m M /issm/trunk-jpl/test/Archives/Archive470.arch

M /issm/trunk-jpl/test/NightlyRun/test470.m

Export determination: 6.

Rationale: CHG: Update Pico floating ice melt rate parameterization

Change #920 with diff file ISSM-22750-22751.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m

Export determination: 6.

Rationale: CHG: fixed handling of matrices in results, no need to transpose, fread takes care of reading the matrix and putting it in the appropriate format

Change #921 with diff file ISSM-22751-22752.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m

Export determination: 6.

Rationale: BUG: reverted back, we actually do need to transpose

Change #922 with diff file ISSM-22752-22753.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test470.m

Export determination: 6.

Rationale: CHG: Update nightly test470

Change #923 with diff file ISSM-22753-22754.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: switch from isautodiff to HAVE_ADOLC as the if else for file