

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD

Log #: 18296-19100

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Program: ISSM: Ice Sheet System Model

Person Requesting or Initiating Export: Dr. Eric Larour

Date Received: Feb-12-2015

Document Title/Description: ISSM changes from revision 18296 to revision 19100

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:** Feb-12-2015

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-18297-18298.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: updating version number

Change #2 with diff file ISSM-18298-18299.diff:

Function name:

D /issm/trunk-jpl/src/java

Export determination: 6.

Rationale: CHG: removing java temporarily for merge

Change #3 with diff file ISSM-18300-18301.diff:

Function name:

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

Export determination: 6.

Rationale: merged trunk and trunk-jpl

Change #4 with diff file ISSM-18302-18303.diff:

Function name:

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

Export determination: 6.

Rationale: Block revision 18301 from being merged into trunk-jpl

Change #5 with diff file ISSM-18303-18304.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated checkconsistency message

Change #6 with diff file ISSM-18304-18305.diff:

Function name:

A /issm/trunk-jpl/externalpackages/dakota/configs/5.3.1/BuildDakotaCustom.cmake.mac.patch

A /issm/trunk-jpl/externalpackages/dakota/configs/5.3.1/CMakeLists.txt.patch

M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64.sh

Export determination: 6.

Rationale: CHG: update dakota to build statically

Change #7 with diff file ISSM-18305-18306.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: typo

Change #8 with diff file ISSM-18306-18307.diff:

Function name:

A /issm/trunk-jpl/externalpackages/boost/configs/1.55/darwin.jam.patch A /issm/trunk-

jpl/externalpackages/boost/configs/1.55/darwin.py.patch A /issm/trunk-jpl/externalpackages/boost/configs/1

config.jam.patch M /issm/trunk-jpl/externalpackages/boost/install-1.55-macosx-mavericks.sh

Export determination: 6.

Rationale: CHG: update mavericks build

Change #9 with diff file ISSM-18308-18309.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: added assertion for FlowequationElementEquationEnum

Change #10 with diff file ISSM-18309-18310.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py
Export determination: 6.
Rationale: CHG: check flow equations only if isstressbalance = 1

Change #11 with diff file ISSM-18310-18311.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/taoinversion.m
Export determination: 6.
Rationale: NEW: added new algorithms for tao

Change #12 with diff file ISSM-18311-18312.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/MeltingAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ThermalAnalysis.cpp
Export determination: 6.
Rationale: CHG: no need to get flowequations

Change #13 with diff file ISSM-18313-18314.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am
Export determination: 6.
Rationale: CHG: Major change to build system. Moved last non libtool libraries to libtool. Added m4 macros to enable standalone functionality.

Change #14 with diff file ISSM-18314-18315.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: Minor change to libISSMModules_LIBADD to link against triangle.

Change #15 with diff file ISSM-18315-18316.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: BUG: fixing Kriging compilation

Change #16 with diff file ISSM-18316-18317.diff:

Function name:
M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: BUG: need to add FORTRAN

Change #17 with diff file ISSM-18317-18318.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test513.m M /issm/trunk-jpl/test/NightlyRun/test513.py
Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #18 with diff file ISSM-18318-18319.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4 M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: added bamg optionnaly and fixed kriging dependencies to modules

Change #19 with diff file ISSM-18319-18320.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
M /issm/trunk-jpl/src/wrappers/python/Makefile.am
Export determination: 6.
Rationale: CHG: removing old flags that do not always exist

Change #20 with diff file ISSM-18320-18321.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/plot_section.m
Export determination: 6.
Rationale: CHG: fixing section plot in 2d

Change #21 with diff file ISSM-18321-18322.diff:

Function name:
M /issm/trunk-jpl/jenkins/imac-012301-gil M /issm/trunk-jpl/jenkins/linux64_larsen
M /issm/trunk-jpl/jenkins/linux64_murdo M /issm/trunk-jpl/jenkins/linux64_murdo_ad
M /issm/trunk-jpl/jenkins/linux64_murdo_ampi M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: no need to have ISSM_ARCH

Change #22 with diff file ISSM-18322-18323.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: do not add -dy flag that is not supported by many compilers

Change #23 with diff file ISSM-18326-18327.diff:

Function name:
M /issm/trunk-jpl/configs/config-discover.sh M /issm/trunk-jpl/configs/config-greenplanet.sh M /issm/trunk-jpl/configs/config-hoffman2.sh M /issm/trunk-jpl/configs/config-linux64-cloud.sh M /issm/trunk-jpl/configs/config-linux64-larsen-gia.sh M /issm/trunk-jpl/configs/config-linux64-larsen.sh M /issm/trunk-jpl/configs/config-linux64-murdo.sh M /issm/trunk-jpl/configs/config-linux64-pleiades-gcc-4.4.4.sh M /issm/trunk-jpl/configs/config-linux64-pleiades-gcc-4.7.0.sh M /issm/trunk-jpl/configs/config-linux64-pleiades-intel2012.0.032-mpt.2.06rp16.sh M /issm/trunk-jpl/configs/config-linux64-skylla.sh M /issm/trunk-jpl/configs/config-linux64-ubuntu64.sh

M /issm/trunk-jpl/configs/config-macosx64.sh M /issm/trunk-jpl/configs/config-pleiades-petscdev.sh M /issm/trunk-jpl/configs/config-win7-32.sh M /issm/trunk-jpl/configs/config-win7-64-parallel.sh M /issm/trunk-jpl/configs/config-win7-64.sh M /issm/trunk-jpl/configs/configure.sh
Export determination: 6.
Rationale: CHG: not more ISSM_ARCH, no more blacs

Change #24 with diff file ISSM-18327-18328.diff:
Function name:
D /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/.dirstamp
Export determination: 6.
Rationale: DEL: should not be under svn

Change #25 with diff file ISSM-18328-18329.diff:
Function name:
M /issm/trunk-jpl/externalpackages/m1qn3/install.sh
Export determination: 6.
Rationale: CHG: m1qn3 should be compiled with fPIC on

Change #26 with diff file ISSM-18329-18330.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh
Export determination: 6.
Rationale: NEW: added install-3.5-greenplanet.sh

Change #27 with diff file ISSM-18330-18331.diff:
Function name:
M /issm/trunk-jpl/etc/environment.csh
Export determination: 6.
Rationale: CHG: prepend csh paths

Change #28 with diff file ISSM-18331-18332.diff:
Function name:

A /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-snowleopard.sh
Export determination: 6.
Rationale: NEW: add script for snowleopard

Change #29 with diff file ISSM-18332-18333.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: CHG: cosmetics

Change #30 with diff file ISSM-18333-18334.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am
Export determination: 6.
Rationale: BUG: libISSMModules should not be added to LDADD if with-wrappers=no

Change #31 with diff file ISSM-18334-18335.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: new flags for greenplanet's mkl library

Change #32 with diff file ISSM-18335-18336.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_murdo_ampi
Export determination: 6.
Rationale: CHG: testing only one cpu to compile

Change #33 with diff file ISSM-18336-18337.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processdata.m
Export determination: 6.

Rationale: BUG: fixed issue when struct is of size 1

Change #34 with diff file ISSM-18337-18338.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check on supported stabilization flags

Change #35 with diff file ISSM-18339-18340.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added lumping of element matrix

Change #36 with diff file ISSM-18340-18341.diff:

Function name:

A /issm/trunk-jpl/externalpackages/boost/install-1.55-pleiades.sh A /issm/trunk-jpl/externalpackages/dakota/configs/5.3.1/CMakeLists.txt.pfe.patch A /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-pleiades.sh D /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-intel2012.0.032-mpt.2.06rp16 A /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-intel2012.0.032-mpt.2.06rp16.sh (from /issm/trunk-jpl/externalpackages/petsc/install-3.4-pleiades-intel2012.0.032-mpt.2.06rp16:18339) A /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-mpt.2.06rp16.sh

Export determination: 6.

Rationale: NEW: add dakota 5.3.1 to pfe

Change #37 with diff file ISSM-18341-18342.diff:

Function name:

A /issm/trunk-jpl/externalpackages/triangle/configs/triangle-libtool.tar.gz A /issm/trunk-jpl/externalpackages/triangle/install.sh

Export determination: 6.

Rationale: ADD: Created a libtool version of the Triangle install. The goal is to create shared libraries.

Change #38 with diff file ISSM-18342-18343.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Modified install.sh to fix small installation issue.

Change #39 with diff file ISSM-18343-18344.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Added patching line to install script for triangle header.

Change #40 with diff file ISSM-18344-18345.diff:

Function name:

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

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

M /issm/trunk-jpl/src/c/classes/Constraints/Constraint.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcD

M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTra

M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h M /issm/trunk-

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

M /issm/trunk-jpl/src/c/cores/masstransport_core.cpp A /issm/trunk-jpl/src/c/solutionsequences/solutionseq

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

Export determination: 6.

Rationale: NEW: added Low order scheme of Flux Transport Correction AL-
gorithm

Change #41 with diff file ISSM-18345-18346.diff:

Function name:

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

jpl/src/c/analyses/MasstransportAnalysis.h M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.c

Export determination: 6.

Rationale: NEW: added Higher Order Flux correction

Change #42 with diff file ISSM-18346-18347.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: NEW: added FCT correction

Change #43 with diff file ISSM-18347-18348.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: finished Zalesak, still one pb with umin and umax

Change #44 with diff file ISSM-18348-18349.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/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

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

Export determination: 6.

Rationale: CHG: trying to push to subfunction

Change #45 with diff file ISSM-18349-18350.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added CreateLHS

Change #46 with diff file ISSM-18350-18351.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added CreateRHS

Change #47 with diff file ISSM-18351-18352.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: added Richardson subroutine

Change #48 with diff file ISSM-18353-18354.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp
Export determination: 6.
Rationale: CHG: one more subfunction

Change #49 with diff file ISSM-18354-18355.diff:
Function name:
M /issm/trunk-jpl/externalpackages/triangle/configs/triangle-libtool.tar.gz M
/issm/trunk-jpl/externalpackages/triangle/install.sh
Export determination: 6.
Rationale: CHG: Modified the install script to handle OSX patching issue and
added disable executable option.

Change #50 with diff file ISSM-18355-18356.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp
Export determination: 6.
Rationale: CHG: trying to reintroduce ulmin ulmax wihtout success

Change #51 with diff file ISSM-18357-18358.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_fct.cpp
Export determination: 6.
Rationale: CHG: added check on Qminus and Qplus

Change #52 with diff file ISSM-18358-18359.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.

Rationale: BUG: put min and max on Gset and not on Sidss

Change #53 with diff file ISSM-18359-18360.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64-snowleopard.sh

Export determination: 6.

Rationale: CHG: add fortran to mac build

Change #54 with diff file ISSM-18360-18361.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed wrong enum

Change #55 with diff file ISSM-18361-18362.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed Ulmin Ulmax, still diffusing

Change #56 with diff file ISSM-18362-18363.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moved HAVE_PETSC_ upper

Change #57 with diff file ISSM-18363-18364.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/FemModel.cpp M /issm/trunk-jpl/src/c/classes/FemModel.h

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

Export determination: 6.

Rationale: CHG: do not update results, use ug to get local min and max instead

of inputs

Change #58 with diff file ISSM-18364-18365.diff:

Function name:

A /issm/trunk-jpl/test/Exp/SquareOne.exp

Export determination: 6.

Rationale: NEW: added SquareOne.exp square 1x1

Change #59 with diff file ISSM-18365-18366.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed parallelization issue with dmax

Change #60 with diff file ISSM-18366-18367.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added generic_static.m for static builds

Change #61 with diff file ISSM-18367-18368.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reactivating local extrema

Change #62 with diff file ISSM-18368-18369.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/clusters/generic_static.m M /issm/trunk-jpl/src/m/solve/waitonlock.m

Export determination: 6.

Rationale: BUG: fixed some stuff

Change #63 with diff file ISSM-18369-18370.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: BUG: fixed H-Hobs cost function for balancethickness2

Change #64 with diff file ISSM-18370-18371.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Removed old Fortran and CC flags in configure.ac. Also changed conditional link of libraries relating to standalone build and triangle.

Change #65 with diff file ISSM-18371-18372.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRate

Export determination: 6.

Rationale: CHG: testing new cost function

Change #66 with diff file ISSM-18372-18373.diff:

Function name:

M /issm/trunk-jpl/configure.ac

Export determination: 6.

Rationale: CHG: jenkins fails without AC_F77_LIBRARY_LDFLAGS

Change #67 with diff file ISSM-18373-18374.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added some info about the OS

Change #68 with diff file ISSM-18374-18375.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added some info about the OS

Change #69 with diff file ISSM-18375-18376.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added some info about the OS

Change #70 with diff file ISSM-18376-18377.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-mpt.2.06rp16.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh

Export determination: 6.

Rationale: CHG: no need for X support

Change #71 with diff file ISSM-18377-18378.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions D /issm/trunk-jpl/src/m/enum/QmuBaseEnum.m D /issm/trunk-jpl/src/m/enum/QmuDamageDEnum.m D /issm/trunk-jpl/src/m/enum/QmuMaskGroundediceLevelsetEnum.m D /issm/trunk-jpl/src/m/enum/QmuMaskIceLevelsetEnum.m D /issm/trunk-jpl/src/m/enum/QmuMaterialsRheologyBEnum D /issm/trunk-jpl/src/m/enum/QmuMeltingEnum.m D /issm/trunk-jpl/src/m/enum/QmuPressureEnum.m D /issm/trunk-jpl/src/m/enum/QmuSurfaceEnum.m D /issm/trunk-jpl/src/m/enum/QmuTemperatureEnum D /issm/trunk-jpl/src/m/enum/QmuThicknessEnum.m D /issm/trunk-jpl/src/m/enum/QmuVxEnum.m D /issm/trunk-jpl/src/m/enum/QmuVxMeshEnum.m D /issm/trunk-jpl/src/m/enum/QmuVyEnum.m D /issm/trunk-jpl/src/m/enum/QmuVyMeshEnum.m D /issm/trunk-jpl/src/m/enum/QmuVzEnum.m D /issm/trunk-jpl/src/m/enum/QmuVzMeshEnum.m A /issm/trunk-jpl/src/m/enum/StressEnum.m A /issm/trunk-jpl/src/m/enum/StressxxEnum.m A /issm/trunk-jpl/src/m/enum/StressxyEnum.m A /issm/trunk-jpl/src/m/enum/StressxzEnum.m A /issm/trunk-jpl/src/m/enum/StressyyEnum.m

A /issm/trunk-jpl/src/m/enum/StressyzEnum.m A /issm/trunk-jpl/src/m/enum/StresszzEnum.m
Export determination: 6.
Rationale: CHG: added some Enums for Sylvestre (Stress related)

Change #72 with diff file ISSM-18378-18379.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: fixed some issues related to melting_rates with old models

Change #73 with diff file ISSM-18379-18380.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/bamg/gmsh3d.m
Export determination: 6.
Rationale: CHG: silent gmsh

Change #74 with diff file ISSM-18380-18381.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/masktoexp.m
Export determination: 6.
Rationale: CHG: added check that there is at least one contour

Change #75 with diff file ISSM-18381-18382.diff:
Function name:
A /issm/trunk-jpl/src/m/miscellaneous/colinearity.m M /issm/trunk-jpl/src/m/miscellaneous/vorticity.m
Export determination: 6.
Rationale: NEW: some functions for Jerome

Change #76 with diff file ISSM-18382-18383.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gslib/gslib.m
Export determination: 6.
Rationale: CHG: more flexible call to gslib

Change #77 with diff file ISSM-18383-18384.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions
D /issm/trunk-jpl/src/m/enum/StressEnum.m D /issm/trunk-jpl/src/m/enum/StressxxEnum.m
D /issm/trunk-jpl/src/m/enum/StressxyEnum.m D /issm/trunk-jpl/src/m/enum/StressxzEnum.m
D /issm/trunk-jpl/src/m/enum/StressyyEnum.m D /issm/trunk-jpl/src/m/enum/StressyzEnum.m
D /issm/trunk-jpl/src/m/enum/StresszzEnum.m

Export determination: 6.

Rationale: DEL: duplicate enums

Change #78 with diff file ISSM-18384-18385.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: Syncing Enums

Change #79 with diff file ISSM-18385-18386.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/shared/Enum/EnumDefinitions
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/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/StressMaxPrincipalEnum

Export determination: 6.

Rationale: NEW: added maximum stress eigen value

Change #80 with diff file ISSM-18386-18387.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing automatic differentiation

Change #81 with diff file ISSM-18387-18388.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil

Export determination: 6.

Rationale: CHG: reverting back to 3.5 because of gfortran linking error

Change #82 with diff file ISSM-18388-18389.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Constraints/Constraint.h M /issm/trunk-jpl/src/c/classes/Constraints/Const

M /issm/trunk-jpl/src/c/classes/Constraints/Constraints.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcD

M /issm/trunk-jpl/src/c/classes/Constraints/SpcDynamic.h M /issm/trunk-jpl/src/c/classes/Constraints/Spc

M /issm/trunk-jpl/src/c/classes/Constraints/SpcStatic.h M /issm/trunk-jpl/src/c/classes/Constraints/SpcTra

M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.h

Export determination: 6.

Rationale: NEW: extended penlaty method to all Spc classes

Change #83 with diff file ISSM-18389-18390.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: force penlatis if stabilization = 4 FCT

Change #84 with diff file ISSM-18390-18391.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/classes/FemModel.cpp

Export determination: 6.

Rationale: CHG: implementing new cost functions and gradient for balancethick-
ness2

Change #85 with diff file ISSM-18391-18392.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-

jpl/src/c/classes/Elements/Element.cpp

Export determination: 6.

Rationale: BUG: forgot IsInput

Change #86 with diff file ISSM-18392-18393.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64.sh M /issm/trunk-jpl/externalpackages/mpich/install-3.0-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh M /issm/trunk-jpl/package.sh

Export determination: 6.

Rationale: CHG: Updated OSX packager script.

Change #87 with diff file ISSM-18393-18394.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/classes/FemModel.cpp

Export determination: 6.

Rationale: NEW: added dJ/dnux for the velocities

Change #88 with diff file ISSM-18394-18395.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp

Export determination: 6.

Rationale: CHG: no need to add printarray:

Change #89 with diff file ISSM-18395-18396.diff:

Function name:

M /issm/trunk-jpl/externalpackages/dakota/install-5.3.1-macosx64.sh M /issm/trunk-jpl/externalpackages/mpich/install-3.0-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh

Export determination: 6.

Rationale: CHG: Undid accidental modifications to install scripts Dakota, Petsc and MPICH.

Change #90 with diff file ISSM-18396-18397.diff:

Function name:

D /issm/trunk-jpl/packagegers/macosx/ISSM.app D /issm/trunk-jpl/packagegers/macosx/ISSM.appscript
D /issm/trunk-jpl/packagegers/macosx/ISSM.pmdoc D /issm/trunk-jpl/packagegers/macosx/README
D /issm/trunk-jpl/packagegers/macosx/issm.icns D /issm/trunk-jpl/packagegers/macosx/matlabissm
D /issm/trunk-jpl/packagegers/macosx/package_incomplete.sh D /issm/trunk-jpl/packagegers/macosx/startup.m

Export determination: 6.

Rationale: DEL: removed useless files

Change #91 with diff file ISSM-18397-18398.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not call issmdir so that it works for ISSM's binaries, which do not have issmdir

Change #92 with diff file ISSM-18398-18399.diff:

Function name:

M /issm/trunk-jpl/configure.ac M /issm/trunk-jpl/jenkins/imac-012301-gil M
/issm/trunk-jpl/jenkins/jenkins.sh

Export determination: 6.

Rationale: CHG: simplifying jenkins script and removed some AC macros to see if it works

Change #93 with diff file ISSM-18399-18400.diff:

Function name:

M /issm/trunk-jpl/jenkins/execute_shell D /issm/trunk-jpl/jenkins/linux64_larsen
M /issm/trunk-jpl/jenkins/linux64_murdo M /issm/trunk-jpl/jenkins/linux64_murdo_ad
M /issm/trunk-jpl/jenkins/linux64_murdo_ampi M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: simplifying jenkins config

Change #94 with diff file ISSM-18400-18401.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed issue with deviatoric stress output in 3d

Change #95 with diff file ISSM-18401-18402.diff:

Function name:

M /issm/trunk-jpl/configure.ac M /issm/trunk-jpl/jenkins/linux64_murdo_ampi

Export determination: 6.

Rationale: CHG: final adjustments

Change #96 with diff file ISSM-18402-18403.diff:

Function name:

A /issm/trunk-jpl/externalpackages/mpich/install-3.0-macosx64-static.sh A /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh

Export determination: 6.

Rationale: ADD: Install scripts for MPICH and PETSc for static OSX64 build.

Change #97 with diff file ISSM-18403-18404.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/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/cores/controlvalidation_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx

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

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

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

A /issm/trunk-jpl/src/m/enum/BalancethicknessNuEnum.m D /issm/trunk-jpl/src/m/enum/Balancethicknes

D /issm/trunk-jpl/src/m/enum/BalancethicknessNuyEnum.m M /issm/trunk-

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

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

jpl/src/m/enum/IrrotationalDirectionMisfitEnum.m A /issm/trunk-jpl/src/m/enum/IrrotationalH2MisfitEnum

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

Export determination: 6.

Rationale: CHG: simplified balancethickness2 to nu (got rid of nux,nuy) and separating cost functions

Change #98 with diff file ISSM-18404-18405.diff:

Function name:

A /issm/trunk-jpl/configs/config-macosx64-static.sh A /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: ADD: install script for OSX and static macosx64 configure script.

Change #99 with diff file ISSM-18405-18406.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added new cost fonctions to other inversion classes

Change #100 with diff file ISSM-18406-18407.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mpich/install-3.0-macosx64-static.sh M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: Fixed issue with new MPICH static install script and modified OSX64 install script.

Change #101 with diff file ISSM-18407-18408.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: Removed \$1 from petsc install.

Change #102 with diff file ISSM-18408-18409.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: Added logic to catch build errors.

Change #103 with diff file ISSM-18409-18410.diff:

Function name:

M /issm/trunk-jpl/configs/config-macosx64-static.sh M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: Fixed a bug in install script regarding Matlab install directory.

Removed some comments from OSX64 static config script.

Change #104 with diff file ISSM-18410-18411.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: minor

Change #105 with diff file ISSM-18411-18412.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: better installation script

Change #106 with diff file ISSM-18412-18413.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: minor

Change #107 with diff file ISSM-18413-18414.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.

Rationale: CHG: fixed matlab_dir

Change #108 with diff file ISSM-18414-18415.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosx/install.sh

Export determination: 6.
Rationale: CHG: added blas lapack

Change #109 with diff file ISSM-18415-18416.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh M /issm/trunk-jpl/packageagers/macosx/install.sh
Export determination: 6.
Rationale: CHG: removed blas lapack

Change #110 with diff file ISSM-18416-18417.diff:
Function name:
M /issm/trunk-jpl/packageagers/macosx/install.sh
Export determination: 6.
Rationale: CHG: testing

Change #111 with diff file ISSM-18417-18418.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh
Export determination: 6.
Rationale: CHG: reverting back

Change #112 with diff file ISSM-18418-18419.diff:
Function name:
M /issm/trunk-jpl/packageagers/macosx/install.sh
Export determination: 6.
Rationale: CHG: testing

Change #113 with diff file ISSM-18419-18420.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh
Export determination: 6.
Rationale: CHG: retesting:

Change #114 with diff file ISSM-18420-18421.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosex/install.sh

Export determination: 6.

Rationale: CHG: source environment first

Change #115 with diff file ISSM-18421-18422.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosex/install.sh

Export determination: 6.

Rationale: CHG: minor bug: missing /

Change #116 with diff file ISSM-18422-18423.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosex/install.sh

Export determination: 6.

Rationale: CHG: last chance

Change #117 with diff file ISSM-18423-18424.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh M /issm/trunk-jpl/packagegers/macosex/install.sh

Export determination: 6.

Rationale: CHG: do not know why we need lapack...

Change #118 with diff file ISSM-18424-18425.diff:

Function name:

M /issm/trunk-jpl/packagegers/macosex/package.sh

Export determination: 6.

Rationale: CHG: trying new package script

Change #119 with diff file ISSM-18425-18426.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/install.sh M /issm/trunk-jpl/packageagers/macosx/package.sh

Export determination: 6.

Rationale: CHG: testing

Change #120 with diff file ISSM-18426-18427.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/package.sh

Export determination: 6.

Rationale: CHG: testing

Change #121 with diff file ISSM-18427-18428.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/package.sh

Export determination: 6.

Rationale: CHG: testing

Change #122 with diff file ISSM-18428-18429.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/install.sh

Export determination: 6.

Rationale: CHG: minor

Change #123 with diff file ISSM-18429-18430.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/install.sh M /issm/trunk-jpl/packageagers/macosx/package.sh

Export determination: 6.

Rationale: CHG: test101 should test actual package

Change #124 with diff file ISSM-18430-18431.diff:

Function name:

M /issm/trunk-jpl/packageagers/macosx/install.sh

Export determination: 6.
Rationale: CHG: co compile

Change #125 with diff file ISSM-18431-18432.diff:
Function name:
M /issm/trunk-jpl/package/macosx/package.sh
Export determination: 6.
Rationale: CHG: minor, done with mac package :)

Change #126 with diff file ISSM-18432-18433.diff:
Function name:
M /issm/trunk-jpl/package/macosx/package.sh
Export determination: 6.
Rationale: NEW: added shipping of tarbal

Change #127 with diff file ISSM-18433-18434.diff:
Function name:
A /issm/trunk-jpl/examples/README.txt
Export determination: 6.
Rationale: NEW: add readme file for data download

Change #128 with diff file ISSM-18434-18435.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/gravity A /issm/trunk-jpl/src/m/contrib/gravity/Makefile
A /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp
Export determination: 6.
Rationale: NEW: added vfsa code from atsu

Change #129 with diff file ISSM-18435-18436.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp
Export determination: 6.
Rationale: MODIF: generation of the new matrix

Change #130 with diff file ISSM-18436-18437.diff:

Function name:

D /issm/trunk-jpl/packagegers/ubuntu/README A /issm/trunk-jpl/packagegers/ubuntu/install.sh

D /issm/trunk-jpl/packagegers/ubuntu/issmpkg M /issm/trunk-jpl/packagegers/ubuntu/package.sh

D /issm/trunk-jpl/packagegers/ubuntu/startup.m

Export determination: 6.

Rationale: NEW: trying static compile on ubuntu

Change #131 with diff file ISSM-18437-18438.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh A /issm/trunk-

jpl/externalpackages/petsc/install-3.5-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-

3.5-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-

mpt.2.06rp16.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh

Export determination: 6.

Rationale: NEW: trying static compile on ubuntu

Change #132 with diff file ISSM-18438-18439.diff:

Function name:

A /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64-static.sh M /issm/trunk-

jpl/externalpackages/petsc/install-3.5-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-

3.5-macosx64-static.sh M /issm/trunk-jpl/packagegers/ubuntu/install.sh

Export determination: 6.

Rationale: NEW: adde static compilation for mpich linux64

Change #133 with diff file ISSM-18439-18440.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp

Export determination: 6.

Rationale: MODIF: version OK

Change #134 with diff file ISSM-18440-18441.diff:

Function name:

M /issm/trunk-jpl/packagegers/ubuntu/install.sh

Export determination: 6.

Rationale: CHG: wrong matlab dir

Change #135 with diff file ISSM-18441-18442.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64-static.sh

Export determination: 6.

Rationale: CHG: minor

Change #136 with diff file ISSM-18442-18443.diff:

Function name:

M /issm/trunk-jpl/packagegers/ubuntu/install.sh

Export determination: 6.

Rationale: CHG: mpich now installed independently

Change #137 with diff file ISSM-18443-18444.diff:

Function name:

M /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64-static.sh

Export determination: 6.

Rationale: CHG: testing with enable-shared to avoid fPIC error while copmiling
ISSM

Change #138 with diff file ISSM-18444-18445.diff:

Function name:

D /issm/trunk-jpl/externalpackages/mpich/install-3.0-linux64-static.sh M /issm/trunk-jpl/packagegers/ubuntu/install.sh

Export determination: 6.

Rationale: CHG: no need for static script

Change #139 with diff file ISSM-18445-18446.diff:

Function name:
M /issm/trunk-jpl/package.sh M /issm/trunk-jpl/package.sh
Export determination: 6.
Rationale: CHG: added shipping

Change #140 with diff file ISSM-18446-18447.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp
Export determination: 6.
Rationale: MODIF: final version not tested

Change #141 with diff file ISSM-18447-18448.diff:
Function name:
M /issm/trunk-jpl/jenkins/parsing_rules
Export determination: 6.
Rationale: CHG: added parsing rule

Change #142 with diff file ISSM-18448-18449.diff:
Function name:
M /issm/trunk-jpl/package.sh
Export determination: 6.
Rationale: CHG: added shipping in script

Change #143 with diff file ISSM-18449-18450.diff:
Function name:
M /issm/trunk-jpl/package.sh
Export determination: 6.
Rationale: CHG: typo

Change #144 with diff file ISSM-18450-18451.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.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.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/DoubleInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/Input.h M /issm/trunk-jpl/src/c/classes/Inputs/IntInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/PentaInput.h
M /issm/trunk-jpl/src/c/classes/Inputs/SegInput.h M /issm/trunk-jpl/src/c/classes/Inputs/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.h M /issm/trunk-jpl/src/c/cores/extrudefrombase_core.cpp
M /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.cpp M /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.h
Export determination: 6.
Rationale: NEW: can now extrude from base or from top

Change #145 with diff file ISSM-18451-18452.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_murdo

Export determination: 6.

Rationale: CHG: minor

Change #146 with diff file ISSM-18452-18453.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added missing blank space

Change #147 with diff file ISSM-18453-18454.diff:

Function name:

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

M /issm/trunk-jpl/src/wrappers/InterpFromMeshToMesh2d/InterpFromMeshToMesh2d.cpp

M /issm/trunk-jpl/src/wrappers/python/io/WritePythonData.cpp

Export determination: 6.

Rationale: BUG: fixed memory leak in bamg and in InterpFromMeshToMesh2d,
python needs to make a COPY of the data in WriteData just like matlab otherwise we cannot delete the data after the WriteData call and matlab leaks

Change #148 with diff file ISSM-18454-18455.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp

Export determination: 6.

Rationale: MODIF: final version of the code, untested.

Change #149 with diff file ISSM-18455-18456.diff:

Function name:

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

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/Mesh.cpp M /issm/trunk-jpl/src/m/classes/bamgmesh.m

Export determination: 6.

Rationale: CHG: added previous numbering when remeshing

Change #150 with diff file ISSM-18456-18457.diff:

Function name:

D /issm/trunk-jpl/AUTHORS M /issm/trunk-jpl/README

Export determination: 6.

Rationale: CHG: not needed anymore, only keep list of Authors in website

Change #151 with diff file ISSM-18457-18458.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp

Export determination: 6.

Rationale: MODIF:final version of atsu cpy multithread

Change #152 with diff file ISSM-18458-18459.diff:

Function name:

M /issm/trunk-jpl/packagers/macosx/package.sh

Export determination: 6.

Rationale: CHG: no need to ship the package twice

Change #153 with diff file ISSM-18459-18460.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: relaxed tolerances

Change #154 with diff file ISSM-18460-18461.diff:

Function name:

A /issm/trunk-jpl/src/m/coordsystems/ll2utm.m M /issm/trunk-jpl/src/m/coordsystems/utm2ll.m

Export determination: 6.

Rationale: CHG: new utm to lat long routines

Change #155 with diff file ISSM-18461-18462.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp

Export determination: 6.

Rationale: MODIF: details

Change #156 with diff file ISSM-18462-18463.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp

Export determination: 6.

Rationale: NEW: vfsa parallelized

Change #157 with diff file ISSM-18463-18464.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: on mac OS X matlab error messages tend to crash because of a library pb related to FORTRAN. removing FORTRAN from Makefile.am seems to fix this bug... to be continued

Change #158 with diff file ISSM-18464-18465.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/Makefile
Export determination: 6.
Rationale: CHG: new makefile

Change #159 with diff file ISSM-18465-18466.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: MODIF: correction

Change #160 with diff file ISSM-18466-18467.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: MODIF: correction

Change #161 with diff file ISSM-18467-18468.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am
Export determination: 6.
Rationale: BUG: added \$(FORTRANLIB) back for linux. The fix for macs is to NOT provide --with-fortran-lib

Change #162 with diff file ISSM-18468-18469.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: MODIF: amelioration

Change #163 with diff file ISSM-18469-18470.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.

Rationale: MODIF: leak bug fixed

Change #164 with diff file ISSM-18470-18471.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Node.cpp
M /issm/trunk-jpl/src/c/cores/damage_core.cpp

Export determination: 6.

Rationale: NEW: Added damage evolution in 3d

Change #165 with diff file ISSM-18471-18472.diff:

Function name:

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

Export determination: 6.

Rationale: MINOR: enable to save models in python using a specific name

Change #166 with diff file ISSM-18472-18473.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed wrong indexing in input Extrusion

Change #167 with diff file ISSM-18473-18474.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa.cpp M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp

Export determination: 6.

Rationale: MODIF: vfsa that works

Change #168 with diff file ISSM-18474-18475.diff:

Function name:

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

M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.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: starting to implement LACR

Change #169 with diff file ISSM-18475-18476.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/test/Archives/Archive701.nc

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

Export determination: 6.

Rationale: NEW: archive for LACR

Change #170 with diff file ISSM-18476-18477.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/Balancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.h 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/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateNodes.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/dox/issm.dox

D /issm/trunk-jpl/src/m/classes/balancethickness2.m 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

A /issm/trunk-jpl/src/m/enum/BalancethicknessDiffusionCoefficientEnum.m D /issm/trunk-jpl/src/m/enum/BalancethicknessNuEnum.m D /issm/trunk-jpl/src/m/enum/BalancethicknessVxObsEnum.m D /issm/trunk-jpl/src/m/enum/BalancethicknessVyObsEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

D /issm/trunk-jpl/src/m/enum/IrrotationalAcrossGradientNuEnum.m D /issm/trunk-jpl/src/m/enum/IrrotationalDirectionNuEnum.m D /issm/trunk-jpl/src/m/enum/IrrotationalH2MisfitEnum.m D /issm/trunk-jpl/src/m/enum/IrrotationalVelMisfitEnum.m A /issm/trunk-jpl/src/m/enum/LACrouzeixRaviartEnum.m

Export determination: 6.

Rationale: CHG: removed irrotational balancethickness2, working on SIA model

Change #171 with diff file ISSM-18477-18478.diff:

Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: fixed problem for matlab v2014+

Change #172 with diff file ISSM-18478-18479.diff:
Function name:
M /issm/trunk-jpl/src/m/coordsystems/ll2utm.m M /issm/trunk-jpl/src/m/coordsystems/utm2ll.m
Export determination: 6.
Rationale: CHG: new version after my suggestion to the author

Change #173 with diff file ISSM-18479-18480.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: CHG: final version parallelized code

Change #174 with diff file ISSM-18480-18481.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: cover case bed=NaN

Change #175 with diff file ISSM-18481-18482.diff:
Function name:
M /issm/trunk-jpl/src/m/qmu/plot/plot_hist_norm.m
Export determination: 6.
Rationale: NEW: add stairs option

Change #176 with diff file ISSM-18482-18483.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/frictionweertman.m
Export determination: 6.

Rationale: BUG: friction weertman in matlab

Change #177 with diff file ISSM-18483-18484.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed some == instead of simple = in if statements

Change #178 with diff file ISSM-18484-18485.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/test/Archives/Archive120.nc

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

M /issm/trunk-jpl/test/Archives/Archive325.nc M /issm/trunk-jpl/test/Archives/Archive326.nc

M /issm/trunk-jpl/test/Archives/Archive327.nc M /issm/trunk-jpl/test/Archives/Archive431.nc

M /issm/trunk-jpl/test/Archives/Archive432.nc M /issm/trunk-jpl/test/Archives/Archive803.nc

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

Export determination: 6.

Rationale: CHG: Use absolute values for artificial diffusion, as negative entries in diffusion matrix might lead to destabilizing contraction effect. Constrain watercolumn to nonnegative values only.

Change #179 with diff file ISSM-18485-18486.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not add uzawa by default

Change #180 with diff file ISSM-18486-18487.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: make sure to add background vertices only if they are not outside of the geometric boundary

Change #181 with diff file ISSM-18487-18488.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added comment as to how to temporarily fix the cast

Change #182 with diff file ISSM-18488-18489.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not include any vertex of the background mesh that may lie outside of the domain

Change #183 with diff file ISSM-18489-18490.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive803.nc M /issm/trunk-jpl/test/Archives/Archive805.nc

Export determination: 6.

Rationale: MINOR: update faulty archives

Change #184 with diff file ISSM-18490-18491.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/R2.h

Export determination: 6.

Rationale: CHG: better Echo for R2

Change #185 with diff file ISSM-18491-18492.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp

Export determination: 6.

Rationale: CNG: code more constrained

Change #186 with diff file ISSM-18492-18493.diff:

Function name:

M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp
A /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.h M /issm/trunk-jpl/src/c/analyses/analyses.h
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h A /issm/trunk-jpl/src/c/classes/Materials/Matseaice.cpp
A /issm/trunk-jpl/src/c/classes/Materials/Matseaice.h M /issm/trunk-jpl/src/c/classes/Vertex.cpp
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/cores/AnalysisConfiguration.cpp
M /issm/trunk-jpl/src/c/cores/CorePointerFromSolutionEnum.cpp M /issm/trunk-jpl/src/c/cores/cores.h A /issm/trunk-jpl/src/c/cores/seaice_core.cpp M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVe
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/m/classes/geometry.m
M /issm/trunk-jpl/src/m/classes/mask.m A /issm/trunk-jpl/src/m/classes/matseaice.m
M /issm/trunk-jpl/src/m/classes/model.m A /issm/trunk-jpl/src/m/classes/seaice.m
A /issm/trunk-jpl/src/m/classes/seaiceatm.m A /issm/trunk-jpl/src/m/classes/seaiceinitialization.m
A /issm/trunk-jpl/src/m/classes/seaiceocean.m M /issm/trunk-jpl/src/m/classes/stressbalance.m
M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.m A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanCoefEnum.m A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanLinDrag
A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanQuadDragCoefEnum.m A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanSshEnum.m A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanVxEnum.m A /issm/trunk-jpl/src/m/enum/BasalforcingsOceanVyEnum.m A /issm/trunk-jpl/src/m/enum/BasalforcingsRhoOceanEnum.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MaterialsCohesionEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsCompressionCoefEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsDamageEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsInternalFrictionCoefEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsPoissonEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsRidgingEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsTractionCoefEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsYoungModulusEnum.m A /issm/trunk-jpl/src/m/enum/MatseaiceEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceAnalysisEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceConcentrationEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceSolutionEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceSpcvxEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceSpcvyEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceThicknessEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceatmEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceoceanEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirCoefEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirLinDragCoefEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirQEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsRhoAirEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsWindVxEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsWindVyEnum.m A /issm/trunk-jpl/src/m/enum/VxStarEnum.m A /issm/trunk-jpl/src/m/enum/VyStarEnum.m

Export determination: 6.

Rationale: NEW: added Sea ice model (not working yet) into ISSM

Change #187 with diff file ISSM-18493-18494.diff:

Function name:

M /issm/trunk-jpl/src/c/bamg/Mesh.cpp
Export determination: 6.
Rationale: BUG: reverting back

Change #188 with diff file ISSM-18494-18495.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/matseaice.m M /issm/trunk-jpl/src/m/classes/seaice.m
Export determination: 6.
Rationale: CHG: do not check seaice if this is not the solution

Change #189 with diff file ISSM-18495-18496.diff:
Function name:
M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim
Export determination: 6.
Rationale: CHG: syncing enums

Change #190 with diff file ISSM-18496-18497.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp
Export determination: 6.
Rationale: CHG: added some forcings

Change #191 with diff file ISSM-18497-18498.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matseaice.
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/seaice.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/SeaiceCoriolisFactorEnum
Export determination: 6.
Rationale: CHG: added some forcings

Change #192 with diff file ISSM-18498-18499.diff:
Function name:

M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed ssh indexing

Change #193 with diff file ISSM-18499-18500.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive514.nc
Export determination: 6.
Rationale: CHG: updated bamg archive

Change #194 with diff file ISSM-18500-18501.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp
Export determination: 6.
Rationale: CHG: no need to print lines in bamg

Change #195 with diff file ISSM-18501-18502.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp
Export determination: 6.
Rationale: CHG: added ocean forcing to stiffness matrix

Change #196 with diff file ISSM-18502-18503.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.h
M /issm/trunk-jpl/src/c/cores/seaice_core.cpp
Export determination: 6.
Rationale: CHG: added UpdateConstraints

Change #197 with diff file ISSM-18503-18504.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/constants.m M /issm/trunk-jpl/src/m/classes/matseaice.m
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/seaice.m

M /issm/trunk-jpl/src/m/classes/seaiceinitialization.m M /issm/trunk-jpl/src/m/classes/seaiceocean.m
 M /issm/trunk-jpl/src/m/classes/timestepping.m A /issm/trunk-jpl/src/m/enum/ConstantsOmegaEnum.m
 A /issm/trunk-jpl/src/m/enum/DamageEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
 D /issm/trunk-jpl/src/m/enum/MaterialsDamageEnum.m A /issm/trunk-jpl/src/m/enum/MaterialsTimeRela
 A /issm/trunk-jpl/src/m/enum/MaterialsTimeRelaxationStressEnum.m A /issm/trunk-
 jpl/src/m/enum/SeaiceMaxThicknessEnum.m A /issm/trunk-jpl/src/m/enum/SeaiceMinConcentrationEnum.
 A /issm/trunk-jpl/src/m/enum/SeaiceMinThicknessEnum.m A /issm/trunk-jpl/src/m/enum/StressTensorPre
 A /issm/trunk-jpl/src/m/enum/StressTensorPredictorxyEnum.m A /issm/trunk-
 jpl/src/m/enum/StressTensorPredictoryyEnum.m
 Export determination: 6.
 Rationale: CHG: working on sea ice model

Change #198 with diff file ISSM-18504-18505.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp
 M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/cores/seaice_core.cpp
 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

Export determination: 6.

Rationale: CHG: working on sea ice model

Change #199 with diff file ISSM-18505-18506.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.h
 M /issm/trunk-jpl/src/c/cores/seaice_core.cpp

Export determination: 6.

Rationale: NEW: finished implementing post processing... debugging to come

Change #200 with diff file ISSM-18506-18507.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: adding seaice field if nonexistent, collapsing Hydrology

Change #201 with diff file ISSM-18507-18508.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: BUG:Fixing seaice field creation in old models

Change #202 with diff file ISSM-18508-18509.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.m
Export determination: 6.
Rationale: CHG: cosmetic change

Change #203 with diff file ISSM-18509-18510.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp
Export determination: 6.
Rationale: BUG: fixing NR

Change #204 with diff file ISSM-18510-18511.diff:
Function name:
M /issm/trunk-jpl/externalpackages/valgrind/install-altix64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-linux64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-macosx32.sh M /issm/trunk-jpl/externalpackages/valgrind/install-macosx64.sh M /issm/trunk-jpl/externalpackages/valgrind/install-win32.sh
Export determination: 6.
Rationale: CHG: upgradint to 3.10 that supports mavericks

Change #205 with diff file ISSM-18511-18512.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp
Export determination: 6.
Rationale: NEW:Adding Hydrology driven friction law

Change #206 with diff file ISSM-18512-18513.diff:

Function name:

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

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

Export determination: 6.

Rationale: NEW:Adding Hydrology driven friction law

Change #207 with diff file ISSM-18513-18514.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/paraview/enveloppeVTK.m M /issm/trunk-

jpl/src/m/contrib/paraview/exportVTK.m A /issm/trunk-jpl/src/m/contrib/paraview/exportVTK.py

Export determination: 6.

Rationale: NEW:adding vtk output for python

Change #208 with diff file ISSM-18515-18516.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:debugging python in VTK export

Change #209 with diff file ISSM-18516-18517.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some updates, still not working

Change #210 with diff file ISSM-18517-18518.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/test/Archives/Archive325.nc

M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/Archives/Archive432.nc

Export determination: 6.

Rationale: BUG: From the series: 'bugs are small and hard to find', lesson 113:
'Do apply basal heating throughout steadystate solver runs, otherwise the solver starts to oscillate'.

Change #211 with diff file ISSM-18518-18519.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: launch matlab from MATLAB_PATH instead of ISSM_DIR/ext.../matlab

Change #212 with diff file ISSM-18519-18520.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing error message while loading models

Change #213 with diff file ISSM-18520-18521.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: temporary change for comparison with neXTSIM

Change #214 with diff file ISSM-18521-18522.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/ExtrapolationAna
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cp
M /issm/trunk-jpl/src/c/analyses/LsfReinitializationAnalysis.cpp M /issm/trunk-
jpl/src/c/analyses/MasstransportAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp M /issm/trunk-
jpl/src/c/classes/Elements/Elements.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tetra.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp M /issm/trunk-jpl/src/c/classes/ExternalResults/Resu
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/classes/Hook.cpp
M /issm/trunk-jpl/src/c/classes/Inputs/ControlInput.cpp M /issm/trunk-jpl/src/c/classes/Inputs/DatasetInp
M /issm/trunk-jpl/src/c/classes/Inputs/Inputs.cpp M /issm/trunk-jpl/src/c/classes/IOModel.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp M /issm/trunk-jpl/src/c/classes/Materials/Materials.cpp
M /issm/trunk-jpl/src/c/classes/Nodes.cpp M /issm/trunk-jpl/src/c/classes/Options/Options.cpp
M /issm/trunk-jpl/src/c/classes/Options/Options.h M /issm/trunk-jpl/src/c/classes/Params/Parameters.cpp
M /issm/trunk-jpl/src/c/classes/Vertices.cpp M /issm/trunk-jpl/src/c/classes/gauss/GaussPenta.cpp
M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp M /issm/trunk-jpl/src/c/cores/ad_core.cpp

M /issm/trunk-jpl/src/c/main/kriging.cpp M /issm/trunk-jpl/src/c/modules/AllocateSystemMatricesx/AllocateSystemMatricesx.cpp
M /issm/trunk-jpl/src/c/modules/AverageOntoPartitionx/AverageOntoPartitionx.cpp
M /issm/trunk-jpl/src/c/modules/ConfigureObjectsx/ConfigureObjectsx.cpp M /issm/trunk-jpl/src/c/modules/CreateJacobianMatrixx/CreateJacobianMatrixx.cpp
M /issm/trunk-jpl/src/c/modules/DragCoefficientAbsGradientx/DragCoefficientAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/FloatingIceMeltingRatex/FloatingIceMeltingRatex.cpp
M /issm/trunk-jpl/src/c/modules/GetSolutionFromInputsx/GetSolutionFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp
M /issm/trunk-jpl/src/c/modules/InputControlUpdatex/InputControlUpdatex.cpp
M /issm/trunk-jpl/src/c/modules/InputDepthAverageAtBasex/InputDepthAverageAtBasex.cpp
M /issm/trunk-jpl/src/c/modules/InputDuplicatex/InputDuplicatex.cpp M /issm/trunk-jpl/src/c/modules/InputExtrudex/InputExtrudex.cpp M /issm/trunk-jpl/src/c/modules/InputScalex/InputScalex.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromConstantx/InputUpdateFromConstantx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromMatrixDakotax/InputUpdateFromMatrixDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromSolutionx/InputUpdateFromSolutionx.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorDakotax/InputUpdateFromVectorDakotax.cpp
M /issm/trunk-jpl/src/c/modules/InputUpdateFromVectorx/InputUpdateFromVectorx.cpp
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateOutputDefinitions.cpp
M /issm/trunk-jpl/src/c/modules/NodalValuex/NodalValuex.cpp M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponsex/OutputDefinitionsResponsex.cpp
M /issm/trunk-jpl/src/c/modules/ResetFSBasalBoundaryConditionx/ResetFSBasalBoundaryConditionx.cpp
M /issm/trunk-jpl/src/c/modules/RheologyBbarAbsGradientx/RheologyBbarAbsGradientx.cpp
M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAbsVelMisfitx/SurfaceAbsVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceAreax/SurfaceAreax.cpp M /issm/trunk-jpl/src/c/modules/SurfaceAverageVelMisfitx/SurfaceAverageVelMisfitx.cpp M /issm/trunk-jpl/src/c/modules/SurfaceLogVelMisfitx/SurfaceLogVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceLogVxVyMisfitx/SurfaceLogVxVyMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalancex/SurfaceMassBalancex.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceRelVelMisfitx/SurfaceRelVelMisfitx.cpp
M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp M /issm/trunk-jpl/src/c/modules/ThicknessAbsMisfitx/ThicknessAbsMisfitx.cpp M /issm/trunk-jpl/src/c/modules/ThicknessAcrossGradientx/ThicknessAcrossGradientx.cpp M /issm/trunk-jpl/src/c/modules/ThicknessAlongGradientx/ThicknessAlongGradientx.cpp
M /issm/trunk-jpl/src/c/shared/Numerics/recast.h M /issm/trunk-jpl/src/c/toolkits/gsl/DenseGslSolve.cpp
M /issm/trunk-jpl/src/c/toolkits/mumps/MpiDenseMumpsSolve.cpp M /issm/trunk-jpl/src/c/toolkits/mumps/MumpsSolve.cpp
Export determination: 6.
Rationale: CHG: removed ALL dynamic casts, now change the template shared/Numerics/recast.h to change back to dynamic_casts

Change #215 with diff file ISSM-18522-18523.diff:

Function name:
M /issm/trunk-jpl/src/c/modules/OutputDefinitionsResponse/OutputDefinitionsResponse.cpp
Export determination: 6.
Rationale: CHG: this one seems to require dynamic_cast

Change #216 with diff file ISSM-18523-18524.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/PentaRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/SegRef.cpp
M /issm/trunk-jpl/src/c/classes/Elements/TetraRef.cpp M /issm/trunk-jpl/src/c/classes/Elements/TriaRef.cpp
Export determination: 6.
Rationale: CHG: significant gain in performance by using static allocation for
GetInputValue and GetInputDerivativeValue

Change #217 with diff file ISSM-18524-18525.diff:

Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: create nightlylog directory

Change #218 with diff file ISSM-18525-18526.diff:

Function name:
M /issm/trunk-jpl/package/ubuntu/package.sh
Export determination: 6.
Rationale: CHG: typo

Change #219 with diff file ISSM-18526-18527.diff:

Function name:
M /issm/trunk-jpl/package/macosx/package.sh M /issm/trunk-jpl/package/ubuntu/package.sh
Export determination: 6.
Rationale: CHG: added full path of websites server

Change #220 with diff file ISSM-18527-18528.diff:

Function name:

M /issm/trunk-jpl/package.sh

Export determination: 6.

Rationale: CHG: renaming directory trunk

Change #221 with diff file ISSM-18528-18529.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/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt

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

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

Export determination: 6.

Rationale: NEW: added output for maximum local divergence

Change #222 with diff file ISSM-18529-18530.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 D /issm/trunk-jpl/src/c/cores/AnalysisConfiguration.cpp

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

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

Export determination: 6.

Rationale: NEW: do not create all the analyses for a given solution, use iomodel
to know whether some analyses can be skipped

Change #223 with diff file ISSM-18530-18531.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed NR, problem in analysis configuration

Change #224 with diff file ISSM-18531-18532.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: return SigmaNN as P1Enums instead of P0

Change #225 with diff file ISSM-18532-18533.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing NR for test701

Change #226 with diff file ISSM-18533-18534.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: adding coupled ice-ocean nightly run

Change #227 with diff file ISSM-18534-18535.diff:

Function name:

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

Export determination: 6.

Rationale: FIX: minor useless line

Change #228 with diff file ISSM-18535-18536.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm A /issm/trunk-jpl/test/MITgcm/build A /issm/trunk-jpl/test/MITgcm/build/mitgcmuv A /issm/trunk-jpl/test/MITgcm/code A /issm/trunk-jpl/test/MITgcm/code/SIZE.h A /issm/trunk-jpl/test/MITgcm/code/SIZE.h.bak

A /issm/trunk-jpl/test/MITgcm/get_mitgcm.sh A /issm/trunk-jpl/test/MITgcm/input

A /issm/trunk-jpl/test/MITgcm/input/data A /issm/trunk-jpl/test/MITgcm/input/data.obcs

A /issm/trunk-jpl/test/MITgcm/input/data.pkg A /issm/trunk-jpl/test/MITgcm/input/data.shelfice

A /issm/trunk-jpl/test/MITgcm/input/eedata A /issm/trunk-jpl/test/MITgcm/install.sh

A /issm/trunk-jpl/test/MITgcm/tools A /issm/trunk-jpl/test/MITgcm/tools/myint2str.m

A /issm/trunk-jpl/test/MITgcm/tools/readbin.m

Export determination: 6.

Rationale: NEW: added parameters and code for ice-ocean NR test

Change #229 with diff file ISSM-18536-18537.diff:

Function name:

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

Export determination: 6.
Rationale: BUG: fixed melting_rate size

Change #230 with diff file ISSM-18537-18538.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/timestepping.m
Export determination: 6.
Rationale: CHG: force old models to be in years

Change #231 with diff file ISSM-18538-18539.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m
Export determination: 6.
Rationale: CHG: minor, forgot semi-column

Change #232 with diff file ISSM-18539-18540.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive701.nc
Export determination: 6.
Rationale: FIX: minor archive NR 701

Change #233 with diff file ISSM-18540-18541.diff:
Function name:
A /issm/trunk-jpl/jenkins/linux64_murdo_iceocean
Export determination: 6.
Rationale: NEW: adding iceocean NR on jenkins

Change #234 with diff file ISSM-18541-18542.diff:
Function name:
M /issm/trunk-jpl/jenkins/linux64_murdo_iceocean
Export determination: 6.
Rationale: CHG: reduced number of required packages

Change #235 with diff file ISSM-18542-18543.diff:

Function name:

M /issm/trunk-jpl/jenkins/linux64_murdo_iceocean

Export determination: 6.

Rationale: BUG: fixing jenkins iceocean

Change #236 with diff file ISSM-18543-18544.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: adding ice/ocean test in Nightly runs list

Change #237 with diff file ISSM-18544-18545.diff:

Function name:

A /issm/trunk-jpl/test/MITgcm/build.sh M /issm/trunk-jpl/test/NightlyRun/test4001.m

Export determination: 6.

Rationale: BUG: trying to fix NR ice ocean

Change #238 with diff file ISSM-18545-18546.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: last change before testing

Change #239 with diff file ISSM-18546-18547.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing ice ocean run

Change #240 with diff file ISSM-18547-18548.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive4001.nc

Export determination: 6.
Rationale: NEW: added archive ice ocean

Change #241 with diff file ISSM-18548-18549.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4001.m
Export determination: 6.
Rationale: FIX: minor test ocean

Change #242 with diff file ISSM-18549-18550.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test4001.m
Export determination: 6.
Rationale: FIX: minor names

Change #243 with diff file ISSM-18550-18551.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: CNG: adds landmask

Change #244 with diff file ISSM-18551-18552.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h
M /issm/trunk-jpl/src/c/shared/Enum/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/balancethickness.m A /issm/trunk-jpl/src/m/enum/BalancethicknessCmuEnum.h
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/src/m/plot/googlemaps.m
M /issm/trunk-jpl/src/m/plot/plot_googlemaps.m
Export determination: 6.
Rationale: CHG: working on balancethickness2 (added new field), and some minor changes to googlemaps to make it work for other regions than GIS or AIS

Change #245 with diff file ISSM-18552-18553.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive436.nc A /issm/trunk-jpl/test/Archives/Archive437.nc
M /issm/trunk-jpl/test/NightlyRun/IdToName.m A /issm/trunk-jpl/test/NightlyRun/test436.m
A /issm/trunk-jpl/test/NightlyRun/test437.m M /issm/trunk-jpl/test/Par/SquareThermal.par

Export determination: 6.

Rationale: ADD: NRs for enthalpy: LliboutryDuval rheology and changing
basal boundary conditions. ToDo: add python tests (soon).

Change #246 with diff file ISSM-18553-18554.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: thermal.reltol for enthalpy convergence check

Change #247 with diff file ISSM-18554-18555.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: thermal.reltol for python

Change #248 with diff file ISSM-18555-18556.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not check cmu for now

Change #249 with diff file ISSM-18556-18557.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixes remaining quote of MEXLINK with matlab j. 2014a

Change #250 with diff file ISSM-18557-18558.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/FSanalytics/fsanalytics.cpp

Export determination: 6.

Rationale: CHG: minor fs analytical solutions

Change #251 with diff file ISSM-18558-18559.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/mesh2dvertical.m 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

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

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

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

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

M /issm/trunk-jpl/src/m/plot/radarpower.m M /issm/trunk-jpl/src/m/plot/showregion.m

Export determination: 6.

Rationale: NEW: removed md.mesh.hemisphere and replaced by md.mesh.epsg
which gives the EPSG code for the projection that is being used

Change #252 with diff file ISSM-18559-18560.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m

M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m

Export determination: 6.

Rationale: BUG: replaced self by obj for some functions

Change #253 with diff file ISSM-18560-18561.diff:

Function name:

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

jpl/src/c/analyses/StressbalanceAnalysis.h

Export determination: 6.

Rationale: CHG: merged augmentation of TH and CR

Change #254 with diff file ISSM-18561-18562.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated code to include pressure augmentation only by default

Change #255 with diff file ISSM-18562-18563.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test436.m M /issm/trunk-jpl/test/NightlyRun/test437.m

Export determination: 6.

Rationale: CHG: relaxed some tolerances

Change #256 with diff file ISSM-18563-18564.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m

M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m

Export determination: 6.

Rationale: CHG: added ; at the end of structtoobj call

Change #257 with diff file ISSM-18564-18565.diff:

Function name:

M /issm/trunk-jpl/src/m/qmu/dakota_out_parse.m

Export determination: 6.

Rationale: NEW: add 95 percent value output

Change #258 with diff file ISSM-18565-18566.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/Balancethickness2Analysis.h M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.h

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

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/cores/balancethickness2_core.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 M /issm/trunk-jpl/src/m/classes/balancethicknes
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m A /issm/trunk-jpl/src/m/enum/BalancethicknessD0Enum
A /issm/trunk-jpl/src/m/enum/BalancethicknessOmegaEnum.m M /issm/trunk-
jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/InversionSurfaceObsEnum.m
A /issm/trunk-jpl/src/m/enum/SurfaceAbsMisfitEnum.m
Export determination: 6.
Rationale: CHG: working on new implementation of balancethickness2

Change #259 with diff file ISSM-18566-18567.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: BUG: forgot to add to IsInput

Change #260 with diff file ISSM-18567-18568.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp
Export determination: 6.
Rationale: BUG: wrong sign on adjoint and fixed D0

Change #261 with diff file ISSM-18568-18569.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/UpdateElementsAndMaterialsControl.cpp
Export determination: 6.
Rationale: CHG: fix NR temporarily

Change #262 with diff file ISSM-18569-18570.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointBalancethickness2Analysis.cpp M /issm/trunk-
jpl/src/c/analyses/AdjointBalancethickness2Analysis.h
Export determination: 6.
Rationale: CHG: added gradient on adot

Change #263 with diff file ISSM-18570-18571.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
Export determination: 6.
Rationale: CHG: simplifying the augmentation

Change #264 with diff file ISSM-18571-18572.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
Export determination: 6.
Rationale: CHG: added gradient norm

Change #265 with diff file ISSM-18572-18573.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive702.nc M /issm/trunk-jpl/test/NightlyRun/test702.m
Export determination: 6.
Rationale: CHG: added more tests for augmentation

Change #266 with diff file ISSM-18573-18574.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp
Export determination: 6.
Rationale: BUG: fixed some memory leaks

Change #267 with diff file ISSM-18574-18575.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp
Export determination: 6.
Rationale: BUG: fixed some memory leaks

Change #268 with diff file ISSM-18575-18576.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive702.nc

Export determination: 6.
Rationale: CHG: updated archive

Change #269 with diff file ISSM-18576-18577.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: CHG: change in the way the leakage factor is described

Change #270 with diff file ISSM-18577-18578.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: CHG:minor change to PBS path

Change #271 with diff file ISSM-18578-18579.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: BUG:fixing colapsing of hydro

Change #272 with diff file ISSM-18579-18580.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/stressbalance.m
Export determination: 6.
Rationale: CHG:changing test to avoid spc necessity on non all floating domain

Change #273 with diff file ISSM-18580-18581.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/HydrologydcEplCollapseThicknessEnum.m
Export determination: 6.

Rationale: NEW: adding a colapsing thickness to the EPL

Change #274 with diff file ISSM-18581-18582.diff:

Function name:

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

M /issm/trunk-jpl/src/c/shared/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: adding a colapsing thickness to the EPL

Change #275 with diff file ISSM-18582-18583.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.m M /issm/trunk-jpl/test/NightlyRun/test333.m

M /issm/trunk-jpl/test/NightlyRun/test335.m

Export determination: 6.

Rationale: CHG:adding EPL colapse

Change #276 with diff file ISSM-18583-18584.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test1501.m M /issm/trunk-jpl/test/NightlyRun/test1501.py

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

Export determination: 6.

Rationale: CHG: minor new name for melting_rate

Change #277 with diff file ISSM-18584-18585.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed m/yr m/sec conversion on SMB

Change #278 with diff file ISSM-18585-18586.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/hydrologydc.py
Export determination: 6.
Rationale: BUG : indentation issue

Change #279 with diff file ISSM-18586-18587.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.py
Export determination: 6.
Rationale: BUG: fixed python version of hydrologydc

Change #280 with diff file ISSM-18587-18588.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/gravity/vfsa_mpi.cpp
Export determination: 6.
Rationale: CNG: slightly modified for better performance

Change #281 with diff file ISSM-18588-18589.diff:
Function name:
M /issm/trunk-jpl/src/c/shared/FSanalytics/fsanalytics.cpp
Export determination: 6.
Rationale: CHG: minor new analytical function

Change #282 with diff file ISSM-18589-18590.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/cores/thermal_core.cpp
M /issm/trunk-jpl/src/c/solutionsequences/convergence.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.
Rationale: CHG: use solutionsequence_thermal_nonlinear for enthalpy

Change #283 with diff file ISSM-18590-18591.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.

Rationale: minor: fix memory leak for thermal

Change #284 with diff file ISSM-18591-18592.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: move enthalpy core to Enthalpy::Core

Change #285 with diff file ISSM-18592-18593.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: BUG: fixing of python hydrology

Change #286 with diff file ISSM-18593-18594.diff:

Function name:

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

M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/L2ProjectionBaseA

A /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.cpp A /issm/trunk-jpl/src/c/analyses/SmoothAnalysis.h

D /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.cpp D /issm/trunk-

jpl/src/c/analyses/SmoothedSurfaceSlopeXAnalysis.h D /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlop

D /issm/trunk-jpl/src/c/analyses/SmoothedSurfaceSlopeYAnalysis.h M /issm/trunk-

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

M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefiniti

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/inversionvalidation.m A /issm/trunk-jpl/src/m/enum/DrivingStressXEnum.

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

A /issm/trunk-jpl/src/m/enum/InputToSmoothEnum.m A /issm/trunk-jpl/src/m/enum/SmoothAnalysisEnu

M /issm/trunk-jpl/test/NightlyRun/test530.m M /issm/trunk-jpl/test/NightlyRun/test530.py

M /issm/trunk-jpl/test/NightlyRun/test531.m M /issm/trunk-jpl/test/NightlyRun/test531.py

Export determination: 6.

Rationale: NEW: added SmoothAnalysis, which replaces SmoothedSurfaceX-Analysis and can be applied to any field

Change #287 with diff file ISSM-18594-18595.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: added path to pthread on OSX

Change #288 with diff file ISSM-18595-18596.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added Smooth analysis

Change #289 with diff file ISSM-18596-18597.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing of python hydrology

Change #290 with diff file ISSM-18597-18598.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil M /issm/trunk-jpl/jenkins/linux64_murdo

M /issm/trunk-jpl/jenkins/linux64_murdo_ad M /issm/trunk-jpl/jenkins/linux64_murdo_ampi

A /issm/trunk-jpl/jenkins/linux64_murdo_gia M /issm/trunk-jpl/jenkins/linux64_murdo_iceocean

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: added linux64_murdo_gia for gia model

Change #291 with diff file ISSM-18598-18599.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test702.m

Export determination: 6.

Rationale: CHG: minor tolerances

Change #292 with diff file ISSM-18599-18600.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: indent fix

Change #293 with diff file ISSM-18600-18601.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: epsg code is a double that needs to be converted to string

Change #294 with diff file ISSM-18601-18602.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added default

Change #295 with diff file ISSM-18602-18603.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: added DeleteInput function

Change #296 with diff file ISSM-18603-18604.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added Smooth analysis to Balancethickness2SolutionEnum in order to smooth surface slopes

Change #297 with diff file ISSM-18604-18605.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/SmoothAnalysis.cpp M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx.cpp M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/enum/EnumDefinitions.h A /issm/trunk-jpl/src/m/enum/SmoothThicknessMultiplierEnum.m D /issm/trunk-jpl/src/m/enum/SmoothedSurfaceSlopeXAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/SmoothedSurfaceSlopeYAnalysisEnum.m
 Export determination: 6.
 Rationale: CHG: working on balance thickness2

Change #298 with diff file ISSM-18605-18606.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/initialization.py 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/model.py
 Export determination: 6.

Rationale: BUG: fixing python indentation

Change #299 with diff file ISSM-18606-18607.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp
 Export determination: 6.

Rationale: BUG: fixing AD copmilation

Change #300 with diff file ISSM-18607-18608.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp
 Export determination: 6.

Rationale: BUG: fixing AD

Change #301 with diff file ISSM-18608-18609.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp M /issm/trunk-jpl/src/c/cores/balancevelocity_core.cpp
 Export determination: 6.

Rationale: CHG: fixed AD compil

Change #302 with diff file ISSM-18609-18610.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added surfaceobs to python file

Change #303 with diff file ISSM-18610-18611.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor display all the kind of grounding line migration possible

Change #304 with diff file ISSM-18611-18612.diff:

Function name:

A /issm/trunk-jpl/src/m/plot/colormaps/bluewhitered.m

Export determination: 6.

Rationale: NEW: added new colormap

Change #305 with diff file ISSM-18612-18613.diff:

Function name:

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

M /issm/trunk-jpl/test/Archives/Archive325.nc M /issm/trunk-jpl/test/Archives/Archive326.nc

M /issm/trunk-jpl/test/Archives/Archive327.nc M /issm/trunk-jpl/test/Archives/Archive431.nc

M /issm/trunk-jpl/test/Archives/Archive432.nc M /issm/trunk-jpl/test/Archives/Archive436.nc

M /issm/trunk-jpl/test/Archives/Archive437.nc M /issm/trunk-jpl/test/Archives/Archive803.nc

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

Export determination: 6.

Rationale: CHG: new unified decision chart for basal thermal condition

Change #306 with diff file ISSM-18613-18614.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am 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/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/FemModel.cpp
M /issm/trunk-jpl/src/c/classes/FemModel.h A /issm/trunk-jpl/src/c/shared/Elements/StressIntensityIntegra
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/EnumToStringx.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringTo
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/LevelsetStabilizationEnu
A /issm/trunk-jpl/src/m/enum/StressIntensityFactorEnum.m
Export determination: 6.
Rationale: NEW: added stress intensity factor calculation

Change #307 with diff file ISSM-18614-18615.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixing AD

Change #308 with diff file ISSM-18615-18616.diff:

Function name:
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/c/shared/Enum/EnumToSt
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp M /issm/trunk-jpl/src/m/classes/m1qn3inversion
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/InversionControlScaling
Export determination: 6.
Rationale: NEW: added scaling factor in M1QN3 to normalize gradient

Change #309 with diff file ISSM-18616-18617.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/C
Export determination: 6.
Rationale: CHG: added scaling for each control

Change #310 with diff file ISSM-18617-18618.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/controlvalidation_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/C

M /issm/trunk-jpl/src/m/classes/inversionvalidation.m
Export determination: 6.
Rationale: CHG: use scaling factor for inversion validation

Change #311 with diff file ISSM-18618-18619.diff:
Function name:
M /issm/trunk-jpl/src/wrappers/matlab/io/WriteMatlabData.cpp
Export determination: 6.
Rationale: BUG: added PreviousNumbering in output

Change #312 with diff file ISSM-18619-18620.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/convergence.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_stokescoupling_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences.h M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py
Export determination: 6.
Rationale: CHG: convergence criteria must now be provided to convergence

Change #313 with diff file ISSM-18620-18621.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.h M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp M /issm/trunk-jpl/src/m/classes/thermal.m M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/Archives/Archive432.nc
Export determination: 6.
Rationale: CHG: dynamic basal constraints for enthalpy steadystate

Change #314 with diff file ISSM-18621-18622.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.
Rationale: BUG: do not fetch ThermalReltolEnum if not enthalpy

Change #315 with diff file ISSM-18622-18623.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp M /issm/trunk-jpl/test/Archives/Archive432.nc

M /issm/trunk-jpl/test/Archives/Archive436.nc M /issm/trunk-jpl/test/Archives/Archive437.nc

Export determination: 6.

Rationale: Bug: apply dynamic basal boundary scheme only for isdynamicbasal-spc=true

Change #316 with diff file ISSM-18623-18624.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: $H=c*(T-T_{ref})+?226?128?166$ for nodes at pressure melting point

Change #317 with diff file ISSM-18624-18625.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: rho_ocean uninitialized

Change #318 with diff file ISSM-18625-18626.diff:

Function name:

M /issm/trunk-jpl/externalpackages/triangle/install-win7.sh

Export determination: 6.

Rationale: CHG: testing windows compile

Change #319 with diff file ISSM-18626-18627.diff:

Function name:

M /issm/trunk-jpl/externalpackages/metis/install-4.0-win7.sh

Export determination: 6.

Rationale: CHG: trying to install metis

Change #320 with diff file ISSM-18627-18628.diff:

Function name:

M /issm/trunk-jpl/externalpackages/metis/install-4.0-win7.sh

Export determination: 6.

Rationale: CHG: reverting back

Change #321 with diff file ISSM-18628-18629.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: trying to use petsc 3.5 in windows

Change #322 with diff file ISSM-18629-18630.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh

Export determination: 6.

Rationale: BUG: needed to download lite version

Change #323 with diff file ISSM-18630-18631.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh

Export determination: 6.

Rationale: BUG: updating installation scrip with new PETSc options

Change #324 with diff file ISSM-18631-18632.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-mpt.2.06rp16.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh
Export determination: 6.
Rationale: CHG: upgrading to PETSc 5.2

Change #325 with diff file ISSM-18632-18633.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh
Export determination: 6.
Rationale: CHG: include petsc fix

Change #326 with diff file ISSM-18633-18634.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.h
Export determination: 6.
Rationale: CHG: fixing hydrological transfer in DC

Change #327 with diff file ISSM-18634-18635.diff:
Function name:
M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: testing without metis

Change #328 with diff file ISSM-18635-18636.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #329 with diff file ISSM-18636-18637.diff:
Function name:

M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #330 with diff file ISSM-18637-18638.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #331 with diff file ISSM-18638-18639.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #332 with diff file ISSM-18639-18640.diff:
Function name:
M /issm/trunk-jpl/jenkins/windows
Export determination: 6.
Rationale: CHG: trying to fix windows

Change #333 with diff file ISSM-18640-18641.diff:
Function name:
M /issm/trunk-jpl/jenkins/jenkins.sh
Export determination: 6.
Rationale: CHG: fixing wait command

Change #334 with diff file ISSM-18641-18642.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/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.

Rationale: CHG: cleaning print

Change #335 with diff file ISSM-18642-18643.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying to force mes extension

Change #336 with diff file ISSM-18643-18644.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:syntax

Change #337 with diff file ISSM-18644-18645.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: trynig static compile

Change #338 with diff file ISSM-18645-18646.diff:

Function name:

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

jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficient

Export determination: 6.

Rationale: CHG:fixing transfer in DC

Change #339 with diff file ISSM-18646-18647.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.m

Export determination: 6.

Rationale: CHG: Fixed

Change #340 with diff file ISSM-18647-18648.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed python indexing for expdisp

Change #341 with diff file ISSM-18648-18649.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/FSanalytics/fsanalytics.cpp

Export determination: 6.

Rationale: CHG: last analytical functions

Change #342 with diff file ISSM-18649-18650.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added check consistency of front (not all vertices on the front)

Change #343 with diff file ISSM-18650-18651.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/Balancethickness2Analysis.cpp M /issm/trunk-jpl/src/c/cores/controlm1qn3.core.cpp

Export determination: 6.

Rationale: CHG: trying to fix balancethickness2

Change #344 with diff file ISSM-18651-18652.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing gradient test for adimensionalization

Change #345 with diff file ISSM-18652-18653.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/stressbalance.m
Export determination: 6.
Rationale: BUG: fixed mask consistency check

Change #346 with diff file ISSM-18653-18654.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/SystemMatricesx/SystemMatricesx.cpp
Export determination: 6.
Rationale: CHG: check for penalty only once for small speed up

Change #347 with diff file ISSM-18654-18655.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/UzawaPressureAnalysis.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_la.cpp
Export determination: 6.
Rationale: BUG: fixed augmentation for non linear case

Change #348 with diff file ISSM-18655-18656.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive701.nc M /issm/trunk-jpl/test/Archives/Archive702.nc
Export determination: 6.
Rationale: CHG: updated archive for augmentation

Change #349 with diff file ISSM-18656-18657.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: BUG: missing break in enthalpy cases

Change #350 with diff file ISSM-18657-18658.diff:
Function name:
M /issm/trunk-jpl/src/m/exp/expdisp.m
Export determination: 6.

Rationale: CHG: title should be an option

Change #351 with diff file ISSM-18658-18659.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: title is an option for point plots also

Change #352 with diff file ISSM-18659-18660.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed spc of basal conditions using a vector

Change #353 with diff file ISSM-18660-18661.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: expdisp now has options like every other functions in issm

Change #354 with diff file ISSM-18661-18662.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive431.nc M /issm/trunk-jpl/test/NightlyRun/test431.m

M /issm/trunk-jpl/test/NightlyRun/test431.py M /issm/trunk-jpl/test/NightlyRun/test432.m

M /issm/trunk-jpl/test/NightlyRun/test432.py

Export determination: 6.

Rationale: CHG: updated archives and tolerances

Change #355 with diff file ISSM-18662-18663.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 new Enums

Change #356 with diff file ISSM-18663-18664.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added new Enums

Change #357 with diff file ISSM-18664-18665.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/StrainRateparallelEnum.m A /issm/trunk-jpl/src/m/enum/StrainRateperpen

Export determination: 6.

Rationale: CHG: added new Enums

Change #358 with diff file ISSM-18665-18666.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed problem with gauss points in enthalpy Pvector ice sheet

Change #359 with diff file ISSM-18666-18667.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive325.nc M /issm/trunk-jpl/test/Archives/Archive326.nc

M /issm/trunk-jpl/test/Archives/Archive327.nc M /issm/trunk-jpl/test/Archives/Archive431.nc

M /issm/trunk-jpl/test/Archives/Archive432.nc M /issm/trunk-jpl/test/Archives/Archive436.nc

M /issm/trunk-jpl/test/Archives/Archive437.nc M /issm/trunk-jpl/test/Archives/Archive803.nc

M /issm/trunk-jpl/test/Archives/Archive805.nc M /issm/trunk-jpl/test/NightlyRun/test437.m

Export determination: 6.

Rationale: CHG: updated archives for latest enthalpy change

Change #360 with diff file ISSM-18667-18668.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: For computation of basal melting rate, use enthalpycard for steady state, if not converged yet. Update Enthalpy and water column only in case of transient runs.

Change #361 with diff file ISSM-18668-18669.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added surface_obs to tao

Change #362 with diff file ISSM-18669-18670.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated default optimizer

Change #363 with diff file ISSM-18670-18671.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added PETSC_MINOR

Change #364 with diff file ISSM-18671-18672.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: check petsc version to check what algorithm should be used

Change #365 with diff file ISSM-18672-18673.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #366 with diff file ISSM-18673-18674.diff:

Function name:

A /issm/trunk-jpl/externalpackages/mpich/install-3.0-macosx64-nothreads.sh

Export determination: 6.

Rationale: no-threads option needed to compile mpich with Yosemite <https://issm.ess.uci.edu/forum/viewtopic>.

Change #367 with diff file ISSM-18674-18675.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: moved analysis to be supported in FemModel

Change #368 with diff file ISSM-18675-18676.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: finished cleaning of analysis to be moved in FemModel

Change #369 with diff file ISSM-18676-18677.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: only take necessary observations in inversions

Change #370 with diff file ISSM-18677-18678.diff:

Function name:

A /issm/trunk-jpl/test/Archives/Archive340.nc A /issm/trunk-jpl/test/Archives/Archive341.nc

M /issm/trunk-jpl/test/NightlyRun/IdToName.m A /issm/trunk-jpl/test/NightlyRun/test340.m

A /issm/trunk-jpl/test/NightlyRun/test341.m

Export determination: 6.

Rationale: NEW: added two tests in nightly runs for tao and m1qn3

Change #371 with diff file ISSM-18678-18679.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed default and added surface obs for one of the cost functions

Change #372 with diff file ISSM-18679-18680.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: force linker to build dll

Change #373 with diff file ISSM-18680-18681.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: force linker to build dll

Change #374 with diff file ISSM-18681-18682.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: tryin -LD

Change #375 with diff file ISSM-18682-18683.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil M /issm/trunk-jpl/jenkins/linux64_murdo

M /issm/trunk-jpl/test/NightlyRun/test340.m

Export determination: 6.

Rationale: CHG: fixing jenkins and NR for tao and m1qn3 tests

Change #376 with diff file ISSM-18683-18684.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil M /issm/trunk-jpl/jenkins/linux64_murdo

Export determination: 6.

Rationale: BUG: forgot to add m1qn3 in external packages

Change #377 with diff file ISSM-18684-18685.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil M /issm/trunk-jpl/test/NightlyRun/test340.m

Export determination: 6.

Rationale: BUG: tao algorithm name for different petsc versions

Change #378 with diff file ISSM-18685-18686.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reverting to /LD

Change #379 with diff file ISSM-18686-18687.diff:

Function name:

M /issm/trunk-jpl/jenkins/imac-012301-gil

Export determination: 6.

Rationale: BUG: minor typo

Change #380 with diff file ISSM-18687-18688.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/taoinversion.m M /issm/trunk-jpl/test/NightlyRun/test340.m

Export determination: 6.

Rationale: CHG: cleaner to put algorithm version in default parameters

Change #381 with diff file ISSM-18688-18689.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: remove general small from discover

Change #382 with diff file ISSM-18689-18690.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: CHG: Modification of the transfer mechanism

Change #383 with diff file ISSM-18690-18691.diff:
Function name:
A /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh
Export determination: 6.
Rationale: NEW: added install-3.5-hpc.sh

Change #384 with diff file ISSM-18691-18692.diff:
Function name:
M /issm/trunk-jpl/jenkins/imac-012301-gil
Export determination: 6.
Rationale: CHG: moving jenkins imac configuration to petsc 3.5

Change #385 with diff file ISSM-18692-18693.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh
Export determination: 6.
Rationale: CHG: fixed

Change #386 with diff file ISSM-18693-18694.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh
Export determination: 6.
Rationale: CHG: fixed

Change #387 with diff file ISSM-18694-18695.diff:
Function name:
M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh
Export determination: 6.
Rationale: CHG: use openmpi instead

Change #388 with diff file ISSM-18695-18696.diff:
Function name:
A /issm/trunk-jpl/src/m/classes/clusters/hpc.m
Export determination: 6.
Rationale: CHG: added hpc.m cluster

Change #389 with diff file ISSM-18696-18697.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/EnthalpyAnalysis.cpp
Export determination: 6.
Rationale: CHG: no need to change enthalpy at base to compute basal melting

Change #390 with diff file ISSM-18697-18698.diff:
Function name:
M /issm/trunk-jpl/jenkins/imac-012301-gil
Export determination: 6.
Rationale: CHG: reverted back imac configuration to petsc 3.4

Change #391 with diff file ISSM-18698-18699.diff:
Function name:
M /issm/trunk-jpl/jenkins/imac-012301-gil
Export determination: 6.
Rationale: BUG: wrong tao installation

Change #392 with diff file ISSM-18699-18700.diff:

Function name:

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

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

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

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

Export determination: 6.

Rationale: CHG: added StrainRateparallel and StrainRateperpendicular

Change #393 with diff file ISSM-18700-18701.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive325.nc M /issm/trunk-jpl/test/Archives/Archive431.nc

M /issm/trunk-jpl/test/Archives/Archive432.nc M /issm/trunk-jpl/test/Archives/Archive436.nc

Export determination: 6.

Rationale: CHG: updated archives enthalpy

Change #394 with diff file ISSM-18701-18702.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor tolerances

Change #395 with diff file ISSM-18702-18703.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added 2 more queues

Change #396 with diff file ISSM-18703-18704.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: don't specify general queue

Change #397 with diff file ISSM-18704-18705.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test340.m

Export determination: 6.

Rationale: CHG: minor tolerances for jenkins

Change #398 with diff file ISSM-18705-18706.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/HydrologyDCIneffi

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; adding a zigzag lock to the EPL activity

Change #399 with diff file ISSM-18706-18707.diff:

Function name:

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

jpl/src/m/enum/EnumDefinitions.py

Export determination: 6.

Rationale: NEW; adding a zigzag lock to the EPL activity

Change #400 with diff file ISSM-18707-18708.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing bad setParam

Change #401 with diff file ISSM-18708-18709.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test431.m M /issm/trunk-jpl/test/NightlyRun/test432.m

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

Export determination: 6.

Rationale: CHG: minor tolerances

Change #402 with diff file ISSM-18709-18710.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing segmentation faults

Change #403 with diff file ISSM-18710-18711.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: cosmetic changes

Change #404 with diff file ISSM-18711-18712.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added valgrind

Change #405 with diff file ISSM-18712-18713.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: trying -Wl,/LD to compile dll on windows

Change #406 with diff file ISSM-18713-18714.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing hydro

Change #407 with diff file ISSM-18714-18715.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
Export determination: 6.
Rationale: NEW: enable multi-parametric optimization with m1qn3

Change #408 with diff file ISSM-18715-18716.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/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/cores/balancethickness2_core.cpp
Export determination: 6.
Rationale: CHG: last commit of balancethickness2 as we know it

Change #409 with diff file ISSM-18716-18717.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/thermal.m
Export determination: 6.
Rationale: CHG: allow spctemperature to be at Tmpm for enthalpy formulation.
minor description change.

Change #410 with diff file ISSM-18717-18718.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateParameters.cpp M /issm/trunk-jpl/src/c/shared/Elements/ComputeDelta18oTemperaturePrecipitation.cpp
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/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/SMBpdd.m M /issm/trunk-jpl/src/m/classes/clusters/acenet.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/SurfaceforcingsPfacEnum.m
A /issm/trunk-jpl/src/m/enum/SurfaceforcingsRlapsEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsRlapslgmEnum.m
A /issm/trunk-jpl/src/m/enum/SurfaceforcingsS0tEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsSealevEnum.m
A /issm/trunk-jpl/src/m/enum/SurfaceforcingsTdiffEnum.m
Export determination: 6.
Rationale: NEW: modified lapse rate to PDD scheme

Change #411 with diff file ISSM-18718-18719.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed Enums

Change #412 with diff file ISSM-18719-18720.diff:

Function name:

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

jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficient

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

jpl/src/c/classes/FemModel.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/StringTo

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

Export determination: 6.

Rationale: NEW:shfting hydrology lock to the nodes

Change #413 with diff file ISSM-18720-18721.diff:

Function name:

D /issm/trunk-jpl/src/m/enum/ElementActiveCounterEnum.m M /issm/trunk-

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

Export determination: 6.

Rationale: NEW:shfting hydrology lock to the nodes

Change #414 with diff file ISSM-18721-18722.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:cleaning printf

Change #415 with diff file ISSM-18722-18723.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: minor fix

Change #416 with diff file ISSM-18723-18724.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: minor fix

Change #417 with diff file ISSM-18724-18725.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMBpdd.m M /issm/trunk-jpl/test/NightlyRun/test236.m

M /issm/trunk-jpl/test/NightlyRun/test237.m

Export determination: 6.

Rationale: CHG: added values and additional test consistency for PDD scheme
new variables

Change #418 with diff file ISSM-18725-18726.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing factorisation issues

Change #419 with diff file ISSM-18726-18727.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: modification in solutionsequence flowpath

Change #420 with diff file ISSM-18727-18728.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: modification in mask handling

Change #421 with diff file ISSM-18728-18729.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: implemented SMBpdd changes in python

Change #422 with diff file ISSM-18729-18730.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: simplifying what Melting Analysis needs

Change #423 with diff file ISSM-18730-18731.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed if statement

Change #424 with diff file ISSM-18731-18732.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: removed stabilization hardcoding

Change #425 with diff file ISSM-18732-18733.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/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h

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

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

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

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

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

Export determination: 6.

Rationale: NEW: added new friction law based on Tmpm, request from mar-

tin.rueckamp@awi.de

Change #426 with diff file ISSM-18733-18734.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do hard code stabilization for now

Change #427 with diff file ISSM-18734-18735.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test236.py M /issm/trunk-jpl/test/NightlyRun/test237.py

Export determination: 6.

Rationale: CHG: forgot to update tests SMBpdd in python

Change #428 with diff file ISSM-18735-18736.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: trying to fix python class

Change #429 with diff file ISSM-18736-18737.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/DamageEvolutionAnalysis.cpp 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/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/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorX/CreateParameters.cpp M /issm/trunk-jpl/src/c/modules/SetActiveNodesLSMx/SetActiveNodesLSMx.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 CalvingRate computation

Change #430 with diff file ISSM-18737-18738.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/CalvingratexAverageEnum.m A /issm/trunk-jpl/src/m/enum/CalvingratexEnum.m A /issm/trunk-jpl/src/m/enum/CalvingrateyAverageEnum.m A /issm/trunk-jpl/src/m/enum/CalvingrateyEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

Export determination: 6.

Rationale: CHG: added new Enums

Change #431 with diff file ISSM-18738-18739.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-jpl/src/m/classes/clusters/hpc.m M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/os/oshostname.m M /issm/trunk-jpl/src/m/solve/waitonlock.m

Export determination: 6.

Rationale: CHG: added parameters for the GUI : iscalvingrate

Change #432 with diff file ISSM-18739-18740.diff:

Function name:

M /issm/trunk-jpl/src/m/boundaryconditions/SetMarineIceSheetBC.m M /issm/trunk-jpl/src/m/classes/clusters/hpc.m M /issm/trunk-jpl/src/m/os/oshostname.m M /issm/trunk-jpl/src/m/solve/waitonlock.m

Export determination: 6.

Rationale: CHG: reverting Sylvester's commit

Change #433 with diff file ISSM-18740-18741.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added parameters for the GUI : iscalvingrate

Change #434 with diff file ISSM-18741-18742.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: BUG: fixed bad syntax

Change #435 with diff file ISSM-18742-18743.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG: correct a mistake in case iscalvinrate=0

Change #436 with diff file ISSM-18743-18744.diff:
Function name:
A /issm/trunk-jpl/src/m/enum/MasstransportIscalvingrateEnum.m A /issm/trunk-jpl/src/m/enum/MasstransportLevermannCalvingCoeffEnum.m
Export determination: 6.
Rationale: CHG: added new Enums

Change #437 with diff file ISSM-18744-18745.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: CHG : set back to default stabilization

Change #438 with diff file ISSM-18745-18746.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: CHG: Now applying exponential heavyside approximation to the two forks of transfer term computation

Change #439 with diff file ISSM-18746-18747.diff:

Function name:
M /issm/trunk-jpl/src/m/contrib/paraview/enveloppeVTK.m
Export determination: 6.
Rationale: CHG: changing naming of files

Change #440 with diff file ISSM-18747-18748.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.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
Export determination: 6.
Rationale: NEW: Adding eplflip lock specific Enum

Change #441 with diff file ISSM-18748-18749.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
A /issm/trunk-jpl/src/m/enum/HydrologydcEplflipLockEnum.m
Export determination: 6.
Rationale: NEW: Adding eplflip lock specific Enum

Change #442 with diff file ISSM-18749-18750.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/hydrologydc.py
Export determination: 6.
Rationale: NEW: Adding eplflip lock specific Enum

Change #443 with diff file ISSM-18750-18751.diff:

Function name:
A /issm/trunk-jpl/src/m/contrib/gravity/code_densite A /issm/trunk-jpl/src/m/contrib/gravity/code_densite
A /issm/trunk-jpl/src/m/contrib/gravity/code_densite/density_rock.cpp A /issm/trunk-jpl/src/m/contrib/gravity/code_densite/density_rock_uneven.cpp
Export determination: 6.
Rationale: NEW: rock density calculation

Change #444 with diff file ISSM-18751-18752.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/gravity/code_inversion A /issm/trunk-jpl/src/m/contrib/gravity/code_invers

A /issm/trunk-jpl/src/m/contrib/gravity/code_inversion/vfsa_mpi_uneven.cpp

Export determination: 6.

Rationale: NEW: final inversion code

Change #445 with diff file ISSM-18752-18753.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing parameter declaration

Change #446 with diff file ISSM-18753-18754.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:Fixxing Flip lock input

Change #447 with diff file ISSM-18754-18755.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #448 with diff file ISSM-18755-18756.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor no more nehalem nodes on pleiades

Change #449 with diff file ISSM-18756-18757.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/masstransport.py
Export determination: 6.
Rationale: CHG: added calving class

Change #450 with diff file ISSM-18757-18758.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/calving.m A /issm/trunk-jpl/src/m/classes/calving.py
A /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/masstransport.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/classes/transient.m
Export determination: 6.
Rationale: CHG: added calving class

Change #451 with diff file ISSM-18758-18759.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/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElem.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: CHG: added calving class

Change #452 with diff file ISSM-18759-18760.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/CalvingCalvingrateEnum.m A /issm/trunk-jpl/src/m/enum/CalvingLawEnum.m
A /issm/trunk-jpl/src/m/enum/CalvingLevermannEnum.m A /issm/trunk-jpl/src/m/enum/CalvingRequestedEnum.m
A /issm/trunk-jpl/src/m/enum/CalvinglevermannCoeffEnum.m A /issm/trunk-jpl/src/m/enum/DefaultCalvingEnum.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
D /issm/trunk-jpl/src/m/enum/MasstransportCalvingrateEnum.m D /issm/trunk-jpl/src/m/enum/MasstransportCalvingrateEnum.m
D /issm/trunk-jpl/src/m/enum/MasstransportIscalvingrateEnum.m D /issm/trunk-jpl/src/m/enum/MasstransportLevermannEnum.m
A /issm/trunk-jpl/src/m/enum/TransientIscalvingEnum.m
Export determination: 6.
Rationale: CHG: new enums

Change #453 with diff file ISSM-18760-18761.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test804.m M /issm/trunk-jpl/test/NightlyRun/test805.m

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

Export determination: 6.

Rationale: CHG : modified tests due to new class Calving

Change #454 with diff file ISSM-18761-18762.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: calving rate now in md.calving

Change #455 with diff file ISSM-18762-18763.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test804.py M /issm/trunk-jpl/test/NightlyRun/test805.py

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

Export determination: 6.

Rationale: CHG : modified python tests due to new class Calving

Change #456 with diff file ISSM-18763-18764.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updated transient.py with iscalving

Change #457 with diff file ISSM-18764-18765.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed from delete, should be xDelete

Change #458 with diff file ISSM-18765-18766.diff:

Function name:
M /issm/trunk-jpl/test/Par/SquareSheetConstrained.py
Export determination: 6.
Rationale: BUG: md.claving not md.calvingrate

Change #459 with diff file ISSM-18766-18767.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/calving.py M /issm/trunk-jpl/src/m/classes/calvinglevermann.m
A /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/src/m/classes/model.py
Export determination: 6.
Rationale: CHG: fixed extrusion of calving parameters in python

Change #460 with diff file ISSM-18767-18768.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test431.m M /issm/trunk-jpl/test/NightlyRun/test431.py
M /issm/trunk-jpl/test/NightlyRun/test432.m M /issm/trunk-jpl/test/NightlyRun/test432.py
M /issm/trunk-jpl/test/NightlyRun/test436.m
Export determination: 6.
Rationale: CHG: relaxed some tolerances

Change #461 with diff file ISSM-18768-18769.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test340.m
Export determination: 6.
Rationale: CHG: relaxed tolerances

Change #462 with diff file ISSM-18769-18770.diff:

Function name:
M /issm/trunk-jpl/packagers/ubuntu/package.sh
Export determination: 6.
Rationale: minor

Change #463 with diff file ISSM-18770-18771.diff:

Function name:

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

A /issm/trunk-jpl/src/m/classes/frictionwaterlayer.m

Export determination: 6.

Rationale: NEW: starting to add new friction law with water layer

Change #464 with diff file ISSM-18771-18772.diff:

Function name:

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

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

Export determination: 6.

Rationale: NEW: added L1L2 inversions (very similar to SSA)

Change #465 with diff file ISSM-18772-18773.diff:

Function name:

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

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

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

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

A /issm/trunk-jpl/test/Archives/Archive438.nc A /issm/trunk-jpl/test/Archives/Archive439.nc

A /issm/trunk-jpl/test/NightlyRun/test438.m A /issm/trunk-jpl/test/NightlyRun/test439.m

Export determination: 6.

Rationale: NEW: added water layer friction law

Change #466 with diff file ISSM-18773-18774.diff:

Function name:

A /issm/trunk-jpl/src/m/exp/exp_to_levelset.m

Export determination: 6.

Rationale: CHG: new routine to convert exp file to a levelset. Prototype.

Change #467 with diff file ISSM-18774-18775.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: forgot to commit new Enums

Change #468 with diff file ISSM-18775-18776.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionhydro.m M /issm/trunk-jpl/src/m/classes/frictionweertman.m

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

Export determination: 6.

Rationale: Updating model to take into account new friction law's, adding
md.calving creation if needed

Change #469 with diff file ISSM-18776-18777.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:correction in frictionhydro aw computation

Change #470 with diff file ISSM-18777-18778.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fix in friction select case for stressbalance

Change #471 with diff file ISSM-18778-18779.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

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:Adding FrictionEffectivPressureEnum

Change #472 with diff file ISSM-18779-18780.diff:

Function name:

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

A /issm/trunk-jpl/src/m/enum/FrictionEffectivePressureEnum.m
Export determination: 6.
Rationale: NEW:Adding FrictionEffectivPressureEnum

Change #473 with diff file ISSM-18780-18781.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixed wrong weight in ThicknessAbsGradient

Change #474 with diff file ISSM-18781-18782.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: CHG:dealing with q exponent in friction hydro

Change #475 with diff file ISSM-18782-18783.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/test/NightlyRun/IdToName.m
M /issm/trunk-jpl/test/NightlyRun/IdToName.py A /issm/trunk-jpl/test/NightlyRun/test806.m
A /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: CHG : added test for calvinglevermann

Change #476 with diff file ISSM-18783-18784.diff:
Function name:
A /issm/trunk-jpl/test/Archives/Archive806.nc M /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: CHG : added archive for test 806

Change #477 with diff file ISSM-18784-18785.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp

Export determination: 6.
Rationale: CHG : correct stabilization for calving

Change #478 with diff file ISSM-18785-18786.diff:
Function name:
M /issm/trunk-jpl/m4/issm_options.m4
Export determination: 6.
Rationale: CHG: remove extra - sign from dakota include

Change #479 with diff file ISSM-18786-18787.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h A /issm/trunk-jpl/src/c/classes/Masscon.h
M /issm/trunk-jpl/src/c/classes/classes.h M /issm/trunk-jpl/src/c/modules/ModelProcessors/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 A /issm/trunk-jpl/src/m/classes/masscon.m
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MassconEnum.m
A /issm/trunk-jpl/src/m/enum/MassconLevelsetEnum.m A /issm/trunk-jpl/src/m/enum/MassconNameEnum
M /issm/trunk-jpl/src/m/exp/exp_to_levelset.m M /issm/trunk-jpl/src/m/plot/applyoptions.m
Export determination: 6.
Rationale: NEW: introduced new Masscon output definition, relying on a lev-
elset definition of the masscon shape.

Change #480 with diff file ISSM-18787-18788.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: NEW: starting to add ocean queuing script

Change #481 with diff file ISSM-18788-18789.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/MeshProfileIntersectionx/MeshProfileIntersectionx.cpp
M /issm/trunk-jpl/src/c/modules/MeshProfileIntersectionx/MeshProfileIntersectionx.h

Export determination: 6.
Rationale: CHG: improvements to this module, this could seriously impact some of the nightly runs dealing with UQ, so to be checked.

Change #482 with diff file ISSM-18789-18790.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive804.nc M /issm/trunk-jpl/test/Archives/Archive805.nc
Export determination: 6.
Rationale: CHG : modified archives for corrected stabilization

Change #483 with diff file ISSM-18790-18791.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/clusters/pfe.m
Export determination: 6.
Rationale: BUG: finished version of ocean script for pleiades

Change #484 with diff file ISSM-18791-18792.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: CHG : repair test 806

Change #485 with diff file ISSM-18792-18793.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: BUG: fixed test806, still some ERRORS

Change #486 with diff file ISSM-18793-18794.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: BUG: fixed wrong mask

Change #487 with diff file ISSM-18794-18795.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: only tapestats if verbose ad is on.

Change #488 with diff file ISSM-18795-18796.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: field name is friction

Change #489 with diff file ISSM-18796-18797.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:ReWriting export paraview in python

Change #490 with diff file ISSM-18797-18798.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Adding friction law and clean up

Change #491 with diff file ISSM-18798-18799.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Adding friction law and clean up

Change #492 with diff file ISSM-18799-18800.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed display

Change #493 with diff file ISSM-18800-18801.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: bad diaplay

Change #494 with diff file ISSM-18801-18802.diff:

Function name:

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

A /issm/trunk-jpl/src/c/modules/CoordinateSystemTransformx A /issm/trunk-

jpl/src/c/modules/CoordinateSystemTransformx/CoordinateSystemTransformx.cpp

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

M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am

Export determination: 6.

Rationale: NEW: added CoordinateSystemTransformx module that converts coordinates using proj.4

Change #495 with diff file ISSM-18802-18803.diff:

Function name:

D /issm/trunk-jpl/scripts/ol M /issm/trunk-jpl/scripts/ol.m

Export determination: 6.

Rationale: CHG: matlabified the ol script

Change #496 with diff file ISSM-18803-18804.diff:

Function name:

A /issm/trunk-jpl/scripts/ol

Export determination: 6.

Rationale: CHG: adding ok back to the family

Change #497 with diff file ISSM-18804-18805.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

M /issm/trunk-jpl/src/c/classes/Loads/Friction.h A /issm/trunk-jpl/src/m/classes/frictionweertmantemp.m

Export determination: 6.

Rationale: CHG: adding new sliding law for Kevin, Temperature dependent

Change #498 with diff file ISSM-18805-18806.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/test/Archives/Archive438.nc

M /issm/trunk-jpl/test/Archives/Archive439.nc

Export determination: 6.

Rationale: CHG: improved water_layer friction law

Change #499 with diff file ISSM-18806-18807.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding fetch multiple data for double vectors.

Change #500 with diff file ISSM-18807-18808.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: forgot to declare function in header file

Change #501 with diff file ISSM-18808-18809.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: do not load calving fields if iscalving=0

Change #502 with diff file ISSM-18809-18810.diff:
Function name:
M /issm/trunk-jpl/externalpackages/netcdf/install.sh
Export determination: 6.
Rationale: NEW: use python 4.3.2 for Yosemite support

Change #503 with diff file ISSM-18810-18811.diff:
Function name:
M /issm/trunk-jpl/etc/environment.sh
Export determination: 6.
Rationale: NEW: CURL package.

Change #504 with diff file ISSM-18811-18812.diff:
Function name:
A /issm/trunk-jpl/externalpackages/curl A /issm/trunk-jpl/externalpackages/curl/install-macosx64.sh
Export determination: 6.
Rationale: CHG: new external package curl.

Change #505 with diff file ISSM-18812-18813.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.h A /issm/trunk-jpl/src/c/classes/Massconaxpby.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 A /issm/trunk-jpl/src/m/classes/massconaxpby.n
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/MassconaxpbyAlphaEnu
A /issm/trunk-jpl/src/m/enum/MassconaxpbyBetaEnum.m A /issm/trunk-jpl/src/m/enum/MassconaxpbyEn
A /issm/trunk-jpl/src/m/enum/MassconaxpbyNameEnum.m A /issm/trunk-jpl/src/m/enum/MassconaxpbyNameyEnum.m
jpl/src/m/enum/MassconaxpbyNamexEnum.m A /issm/trunk-jpl/src/m/enum/MassconaxpbyNameyEnum.m
Export determination: 6.
Rationale: CHG: added output definition for masconaxpby object, which combines masscons together. Added corresponding enums and corresponding Massconaxpby.h object in the classes.

Change #506 with diff file ISSM-18813-18814.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/IoModel.h
Export determination: 6.
Rationale: CHG: double definition

Change #507 with diff file ISSM-18814-18815.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 tolerances

Change #508 with diff file ISSM-18815-18816.diff:

Function name:
M /issm/trunk-jpl/src/wrappers/ExpSimplify/ExpSimplify.cpp
Export determination: 6.
Rationale: CHG: removing weird info message.

Change #509 with diff file ISSM-18816-18817.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.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/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calving.py
M /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/calvinglevermann.py
M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test804.m M /issm/trunk-jpl/test/NightlyRun/test804.py
M /issm/trunk-jpl/test/NightlyRun/test805.m M /issm/trunk-jpl/test/NightlyRun/test805.py
M /issm/trunk-jpl/test/NightlyRun/test806.m M /issm/trunk-jpl/test/NightlyRun/test806.py
Export determination: 6.
Rationale: NEW : added melting rate

Change #510 with diff file ISSM-18817-18818.diff:

Function name:
M /issm/trunk-jpl/examples/ISMIP/CheatyRunme.m M /issm/trunk-jpl/examples/SquareIceShelf/SquareIceShelfRunme.m
M /issm/trunk-jpl/examples/SquareIceShelf/runme.m D /issm/trunk-jpl/src/m/enum/CalvingCalvingrateEnum.h
D /issm/trunk-jpl/src/m/enum/CalvingLawEnum.m D /issm/trunk-jpl/src/m/enum/CalvingLevermannEnum.h

A /issm/trunk-jpl/src/m/enum/CalvingMeltingrateEnum.m D /issm/trunk-jpl/src/m/enum/CalvingRequeste
D /issm/trunk-jpl/src/m/enum/CalvingLevermannCoeffEnum.m A /issm/trunk-
jpl/src/m/enum/CalvingLevermannMeltingrateEnum.m D /issm/trunk-jpl/src/m/enum/DefaultCalvingEnum.
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/FrictionWaterLayerEnum.
D /issm/trunk-jpl/src/m/enum/HydrologydcEplflipLockEnum.m D /issm/trunk-
jpl/src/m/enum/TransientIsalvingEnum.m A /issm/trunk-jpl/test/Archives/Archive807.nc
M /issm/trunk-jpl/test/NightlyRun/test275.m A /issm/trunk-jpl/test/NightlyRun/test807.m
A /issm/trunk-jpl/test/NightlyRun/test807.py
Export determination: 6.
Rationale: NEW : added tests for melting rate

Change #511 with diff file ISSM-18818-18819.diff:

Function name:

A /issm/trunk-jpl/src/m/enum/CalvingCalvingrateEnum.m A /issm/trunk-jpl/src/m/enum/CalvingLawEnum.
A /issm/trunk-jpl/src/m/enum/CalvingLevermannEnum.m A /issm/trunk-jpl/src/m/enum/CalvingRequeste
A /issm/trunk-jpl/src/m/enum/CalvingLevermannCoeffEnum.m A /issm/trunk-
jpl/src/m/enum/DefaultCalvingEnum.m A /issm/trunk-jpl/src/m/enum/FrictionWaterLayerEnum.m
A /issm/trunk-jpl/src/m/enum/HydrologydcEplflipLockEnum.m A /issm/trunk-
jpl/src/m/enum/TransientIsalvingEnum.m

Export determination: 6.

Rationale: BUG : accidentaly deleted certain Enum.m files

Change #512 with diff file ISSM-18819-18820.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: slight change.

Change #513 with diff file ISSM-18820-18821.diff:

Function name:

M /issm/trunk-jpl/externalpackages/curl

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #514 with diff file ISSM-18821-18822.diff:

Function name:
M /issm/trunk-jpl/externalpackages/m1qn3
Export determination: 6.
Rationale: CHG: get svn to ignore some files.

Change #515 with diff file ISSM-18822-18823.diff:

Function name:
M /issm/trunk-jpl/src/c/bamg/Mesh.cpp
Export determination: 6.
Rationale: BUG: fixed Previous numbering issue

Change #516 with diff file ISSM-18823-18824.diff:

Function name:
M /issm/trunk-jpl/examples/ISMIP/CheatyRunme.m M /issm/trunk-jpl/examples/SquareIceShelf/Square.pa
M /issm/trunk-jpl/examples/SquareIceShelf/runme.m M /issm/trunk-jpl/test/NightlyRun/test275.m
Export determination: 6.
Rationale: CHG: reverting some old commit

Change #517 with diff file ISSM-18824-18825.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/clusters/greenplanet.m 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: NEW: (1) added one new cost function (507) for rheology B regu-
larization (2) added one control parameter (RheologyB not depth averaged) (3)
cosmetics

Change #518 with diff file ISSM-18825-18826.diff:

Function name:
M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx
A /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.cpp
A /issm/trunk-jpl/src/c/modules/RheologyBAbsGradientx/RheologyBAbsGradientx.h
M /issm/trunk-jpl/src/c/modules/modules.h
Export determination: 6.
Rationale: NEW: added new module that calculates $-\text{grad } B$ for regular-

ization

Change #519 with diff file ISSM-18826-18827.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: extrude from base should actually start from base (use -1) for Pentas

Change #520 with diff file ISSM-18827-18828.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added support for LA FS in adjoint

Change #521 with diff file ISSM-18828-18829.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: CHG: Adding RheologyBAbsGradientEnum.m

Change #522 with diff file ISSM-18829-18830.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: added new requested output (regularization) and support for Uzawa in transient

Change #523 with diff file ISSM-18830-18831.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: no vy in flowline models, and new control parameter

Change #524 with diff file ISSM-18831-18832.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.cpp
Export determination: 6.
Rationale: CHG: removed debugging error messages

Change #525 with diff file ISSM-18832-18833.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: CHG: do not add multiple analyses

Change #526 with diff file ISSM-18833-18834.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: adding function dViscositydB for HO and FS

Change #527 with diff file ISSM-18834-18835.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.cpp
Export determination: 6.
Rationale: CHG: (1) adding support of inversion for 2D flowline model (2) adding support for inversion of RheologyB

Change #528 with diff file ISSM-18835-18836.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/AdjointHorizAnalysis.h
Export determination: 6.
Rationale: CHG: adding funcitons in AdjointHorizAnalysis.h

Change #529 with diff file ISSM-18836-18837.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: adding support for inversion of RheologyB

Change #530 with diff file ISSM-18837-18838.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not declare vy_input twice

Change #531 with diff file ISSM-18838-18839.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: do not declare vz_input twice

Change #532 with diff file ISSM-18839-18840.diff:

Function name:

M /issm/trunk-jpl/jenkins/windows

Export determination: 6.

Rationale: CHG: switching to 3.5

Change #533 with diff file ISSM-18840-18841.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: updating exportVTK

Change #534 with diff file ISSM-18841-18842.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Updating filenames in exportVTK

Change #535 with diff file ISSM-18842-18843.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: GetIcefrontCoordinates for Penta.

Change #536 with diff file ISSM-18843-18844.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Use element boundaries as ice front instead of ZeroLevelset.

Change this back when consistent stress balance treatment of front elements is given.

Change #537 with diff file ISSM-18844-18845.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive803.nc M /issm/trunk-jpl/test/Archives/Archive805.nc

Export determination: 6.

Rationale: CHG: updated archive now that ice front is on element edge rather than within element for HO and FS

Change #538 with diff file ISSM-18845-18846.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/classes/kriging/Covertree.cpp

A /issm/trunk-jpl/src/c/classes/kriging/Covertree.h M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp

M /issm/trunk-jpl/src/c/classes/kriging/Observations.h M /issm/trunk-jpl/src/c/classes/kriging/krigingobject.cpp

Export determination: 6.

Rationale: NEW: preparing files for covertree

Change #539 with diff file ISSM-18846-18847.diff:
Function name:
M /issm/trunk-jpl/externalpackages/valgrind/issm.supp
Export determination: 6.
Rationale: CHG: added new MUMPS leak to ignore

Change #540 with diff file ISSM-18847-18848.diff:
Function name:
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_thermal_nonlinear.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #541 with diff file ISSM-18848-18849.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #542 with diff file ISSM-18849-18850.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: for contact criterion, make sure that grounded elements may have $\min(\text{levelset})=0$

Change #543 with diff file ISSM-18850-18851.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: need also to extrude surface, and not just for contact solution

Change #544 with diff file ISSM-18851-18852.diff:
Function name:

M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: CHG: removed grounding line input extrusion from Penta (taken care of by transient_core)

Change #545 with diff file ISSM-18852-18853.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/FemModel.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #546 with diff file ISSM-18853-18854.diff:
Function name:
M /issm/trunk-jpl/src/c/cores/controltao_core.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #547 with diff file ISSM-18854-18855.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/ModelProcessorx/Control/CreateParametersControl.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #548 with diff file ISSM-18855-18856.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/classes/Elements/Element.h
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp M /issm/trunk-jpl/src/c/classes/Elements/Penta.h
M /issm/trunk-jpl/src/c/classes/Elements/Seg.h M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
Export determination: 6.
Rationale: CHG: moved Migrate Grounding line in Element.cpp

Change #549 with diff file ISSM-18856-18857.diff:

Function name:
M /issm/trunk-jpl/src/c/cores/controlm1qn3_core.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #550 with diff file ISSM-18857-18858.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: cleaner code for MigrateGroundingLine for Contact

Change #551 with diff file ISSM-18858-18859.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test437.m
Export determination: 6.
Rationale: CHG: only request 1 cpu since there are 4 elements horizontally

Change #552 with diff file ISSM-18859-18860.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive437.nc
Export determination: 6.
Rationale: CHG: added more elements to test

Change #553 with diff file ISSM-18860-18861.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: add support of FSContactMigration for coupling

Change #554 with diff file ISSM-18861-18862.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp M /issm/trunk-jpl/src/c/modules/GroundinglineMigr
M /issm/trunk-jpl/src/c/shared/Enum/EnumDefinitions.h M /issm/trunk-jpl/src/m/classes/groundingline.m

M /issm/trunk-jpl/src/m/classes/groundingline.py
Export determination: 6.
Rationale: Adding GroundingOnlyEnum for groundingline migration

Change #555 with diff file ISSM-18862-18863.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixed memory leak

Change #556 with diff file ISSM-18863-18864.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/test437.m
Export determination: 6.
Rationale: CHG: minor tolerance

Change #557 with diff file ISSM-18864-18865.diff:
Function name:
A /issm/trunk-jpl/src/m/contrib/netCDF A /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py
Export determination: 6.
Rationale: NEW: adding netcdf export for python

Change #558 with diff file ISSM-18865-18866.diff:
Function name:
M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py
Export determination: 6.
Rationale: CHG: fixing time dependant result output

Change #559 with diff file ISSM-18866-18867.diff:
Function name:
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/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/GroundingOnlyEnum.m
Export determination: 6.

Rationale: CHG: Syncing Enums

Change #560 with diff file ISSM-18867-18868.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py

Export determination: 6.

Rationale: CHG: adding compression

Change #561 with diff file ISSM-18868-18869.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed cores/controlm1qn3_core.cpp, simul is a pointer and m1qn3 needs an initial gradient

Change #562 with diff file ISSM-18869-18870.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py

Export determination: 6.

Rationale: CHG: adding classtype attribute

Change #563 with diff file ISSM-18870-18871.diff:

Function name:

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

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

Export determination: 6.

Rationale: CHG: need this module to allow getting the vectors from control inputs on sid vertices, not pid vertices. Usefull for updating the tape on ad control runs.

Change #564 with diff file ISSM-18871-18872.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new logic here. If supplied with an X vector of independent variables, use them instead of what is being read from disk. Useful for updating from control inputs during an ad control run.

Change #565 with diff file ISSM-18872-18873.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: new constructor for the ad control core solution, which allows to feed in an X independent vector and a choice on where to start tracing or not. This is useful to allow updates on the control update through feeding this update during the I/O phase of the FeMmodel constructor. This way, we make sure that for each ad run of the control core, the tape initializes with the updated X vector instead of the value from disk.

Change #566 with diff file ISSM-18873-18874.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: output definitions now carry an enum to facilitate the response computation (see FemModel new Response routine one commit ago).

Change #567 with diff file ISSM-18874-18875.diff:

Function name:

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

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

jpl/src/m/enum/MassconaxpbyDefinitionenumEnum.m A /issm/trunk-jpl/src/m/enum/MassfluxatgateDefinit

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

jpl/src/m/enum/Outputdefinition10Enum.m A /issm/trunk-jpl/src/m/enum/Outputdefinition1Enum.m

A /issm/trunk-jpl/src/m/enum/Outputdefinition2Enum.m A /issm/trunk-jpl/src/m/enum/Outputdefinition3

A /issm/trunk-jpl/src/m/enum/Outputdefinition4Enum.m A /issm/trunk-jpl/src/m/enum/Outputdefinition5

A /issm/trunk-jpl/src/m/enum/Outputdefinition6Enum.m A /issm/trunk-jpl/src/m/enum/Outputdefinition7

A /issm/trunk-jpl/src/m/enum/Outputdefinition8Enum.m A /issm/trunk-jpl/src/m/enum/Outputdefinition9

A /issm/trunk-jpl/src/m/enum/RootPathEnum.m A /issm/trunk-jpl/src/m/enum/ToolkitsFileNameEnum.m

Export determination: 6.

Rationale: NEW: new enums for: -files whose names we now want to record (new FemModel constructor two commits ago). - output definitions which

now need an associated enum (from Outputdefinition1Enum to Outputdefinition10Enum).

Change #568 with diff file ISSM-18875-18876.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/adinversion.m

Export determination: 6.

Rationale: NEW: new ad style inversion class, much needed as it's quite different from the other inversion classes. Takes a lot after m1qn3 though.

Change #569 with diff file ISSM-18876-18877.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: hook up for the ad inversion class (m1qn3 style control). Also made sure the incomplete adjoint option is control class dependent, not generic for all control classes.

Change #570 with diff file ISSM-18877-18878.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new overloaded response function, as now output definitions can be computed either according to their name, or their associated enum.

Change #571 with diff file ISSM-18878-18879.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: CHG: new overloaded response function, as now output definitions can be computed either according to their name, or their associated enum. See prior commit.

Change #572 with diff file ISSM-18879-18880.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new overloading to feed in trace (boolean which determines whether we should trace using AD or not) and corresponding X (state parameters, or number of indepenets) down into the FetchIndependent routines, where we bypass the disk I/O and instead use X to initialize the independents. This is useful for ad control core, which does not update the control inputs the same way as the standard m1qn3controlcore.

Change #573 with diff file ISSM-18880-18881.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: some enum updates.

Change #574 with diff file ISSM-18881-18882.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: output definitions should now include an identifying enum between OutputDefinition1Enum and OutputDefinition10Enum

Change #575 with diff file ISSM-18882-18883.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added prototype for ad control core.

Change #576 with diff file ISSM-18883-18884.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: new entry for ad control core.

Change #577 with diff file ISSM-18884-18885.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new capability to return control input on sid indexed vector instead of pid indexed vector. Default is still pid indexing of course.

Change #578 with diff file ISSM-18885-18886.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Masscon.h M /issm/trunk-jpl/src/c/classes/Massconaxpby.h
M /issm/trunk-jpl/src/c/classes/Massfluxatgate.h M /issm/trunk-jpl/src/c/classes/Misfit.h

Export determination: 6.

Rationale: CHG: each output definition should now include a unique identifier enum chosen between OutputDefinition1Enum and OutputDefinition10Enum

Change #579 with diff file ISSM-18886-18887.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow chasing through a dataset of external results according now to their enum but to their corresponding name.

Change #580 with diff file ISSM-18887-18888.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added fold for verbose part of the code.

Change #581 with diff file ISSM-18888-18889.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new control core that relies on mlqn3, but computes the gradients using the AD technology. The update of the control inputs is also interesting in that we do not rely on a pid indexed ordering, but an sid indexed ordering. Using this ordering, for each run of simulad, we feed the updated X vector of independents to a new FemModel (yes, we create a new FemModel) initialized from the disk input file, except for the X vector itself. The reason we have to do this is to ensure that the active AD variables are the same for each run, and because we don't know yet how to stop and restart a tape with only a subset of the active variables updated -¿ we are not sure whether this would actually work!

Change #582 with diff file ISSM-18889-18890.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: FetchIndependents now relies on the X vector if supplied, instead of what is read from file I/O. This allows for updating of the tape directly from the ad control core!

Change #583 with diff file ISSM-18890-18891.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: avoid leaks when using new constructor in control ad core.

Change #584 with diff file ISSM-18891-18892.diff:

Function name:

M /issm/trunk-jpl/src/c/cores/controlad_core.cpp M /issm/trunk-jpl/src/c/cores/controlmlqn3_core.cpp

Export determination: 6.

Rationale: CHG: fix leaks. Also in m1qn3 core, do not compile if in AD mode, not good.

Change #585 with diff file ISSM-18892-18893.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: typo.

Change #586 with diff file ISSM-18893-18894.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed leak

Change #587 with diff file ISSM-18894-18895.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing marshall of definition enum. This should fix all our forward tests.

Change #588 with diff file ISSM-18895-18896.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixing output definitions given the new format of the mass-fluxatgate.m constructor.

Change #589 with diff file ISSM-18896-18897.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/cores/adgradient_core.cpp

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

Export determination: 6.

Rationale: CHG: created new driver called `adgradient_core`, to carry out only `fos_reverse` computations in AD mode. Only way to make multi-cost functions inversions.

Change #590 with diff file ISSM-18897-18898.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test123.m

Export determination: 6.

Rationale: CHG: issue with output definition. Quick fix.

Change #591 with diff file ISSM-18898-18899.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gmt A /issm/trunk-jpl/externalpackages/gmt/configs

A /issm/trunk-jpl/externalpackages/gmt/configs/ConfigUser.cmake A /issm/trunk-jpl/externalpackages/gmt/install.sh

Export determination: 6.

Rationale: NEW: gmt package.

Change #592 with diff file ISSM-18899-18900.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt

Export determination: 6.

Rationale: CHG: get svn to ignore some files.

Change #593 with diff file ISSM-18900-18901.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gmt/configs/ConfigUser.cmake

Export determination: 6.

Rationale: CHG: added high res coastline.

Change #594 with diff file ISSM-18901-18902.diff:

Function name:

A /issm/trunk-jpl/externalpackages/gshhg A /issm/trunk-jpl/externalpackages/gshhg/install.sh
Export determination: 6.
Rationale: CHG: high resolution coastline from NOAA.

Change #595 with diff file ISSM-18902-18903.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: either download from our archive or from the website directly.

Change #596 with diff file ISSM-18903-18904.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:Correction on the pseudo-step function used for the transfer

Change #597 with diff file ISSM-18904-18905.diff:

Function name:

A /issm/trunk-jpl/externalpackages/export_fig/LICENSE A /issm/trunk-jpl/externalpackages/export_fig/README
A /issm/trunk-jpl/externalpackages/export_fig/append_pdfs.m M /issm/trunk-jpl/externalpackages/export_fig/copyfig.m A /issm/trunk-jpl/externalpackages/export_fig/crop_borders.m
M /issm/trunk-jpl/externalpackages/export_fig/eps2pdf.m M /issm/trunk-jpl/externalpackages/export_fig/export_fig.m
M /issm/trunk-jpl/externalpackages/export_fig/fix_lines.m M /issm/trunk-jpl/externalpackages/export_fig/gho.m
A /issm/trunk-jpl/externalpackages/export_fig/im2gif.m M /issm/trunk-jpl/externalpackages/export_fig/isolate.m
M /issm/trunk-jpl/externalpackages/export_fig/pdf2eps.m M /issm/trunk-jpl/externalpackages/export_fig/pdf2png.m
M /issm/trunk-jpl/externalpackages/export_fig/print2array.m M /issm/trunk-jpl/externalpackages/export_fig/print2eps.m A /issm/trunk-jpl/externalpackages/export_fig/read_write_entire.m
M /issm/trunk-jpl/externalpackages/export_fig/user_string.m A /issm/trunk-jpl/externalpackages/export_fig/using_hg2.m

Export determination: 6.

Rationale: CHG: upgrading export_fig for hg2 support and matlab R2014b

Change #598 with diff file ISSM-18905-18906.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh
Export determination: 6.
Rationale: source the environment for gmt

Change #599 with diff file ISSM-18906-18907.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: don't need to recalculate phi for contact

Change #600 with diff file ISSM-18907-18908.diff:
Function name:
M /issm/trunk-jpl/externalpackages/gshhg/install.sh
Export determination: 6.
Rationale: typo

Change #601 with diff file ISSM-18908-18909.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: make sure all grounding line conditions are covered

Change #602 with diff file ISSM-18909-18910.diff:
Function name:
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp
Export determination: 6.
Rationale: CHG: put the verbose in the right position.

Change #603 with diff file ISSM-18910-18911.diff:
Function name:
A /issm/trunk-jpl/src/m/mesh/MeshToShp.m
Export determination: 6.
Rationale: CHG: new MeshToShp routine.

Change #604 with diff file ISSM-18911-18912.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor alphabetical order

Change #605 with diff file ISSM-18912-18913.diff:

Function name:

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

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

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

Export determination: 6.

Rationale: NEW: added covertree nearest neighbor search (to be debugged)

Change #606 with diff file ISSM-18913-18914.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: alphabetical order in element.h

Change #607 with diff file ISSM-18914-18915.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/kriging/Covertree.cpp M /issm/trunk-jpl/src/c/classes/kriging/Observation.h

M /issm/trunk-jpl/src/c/classes/kriging/Observation.h

Export determination: 6.

Rationale: BUG: not compiling on thwaites

Change #608 with diff file ISSM-18915-18916.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp

Export determination: 6.

Rationale: BUG: fixed covertree

Change #609 with diff file ISSM-18916-18917.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/kriging/Covertree.cpp
Export determination: 6.
Rationale: CHG: minor

Change #610 with diff file ISSM-18917-18918.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_scatter.m
Export determination: 6.
Rationale: CHG: make plot_scatter work for R2014b

Change #611 with diff file ISSM-18918-18919.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Options/GenericOption.h
Export determination: 6.
Rationale: BUG: special destructor for char* to avoid leaks

Change #612 with diff file ISSM-18919-18920.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/kriging/Covertree.cpp M /issm/trunk-jpl/src/c/classes/kriging/Covertree.h
M /issm/trunk-jpl/src/c/classes/kriging/Observations.cpp
Export determination: 6.
Rationale: BUG: input argument is now the max depth level and not the max distance

Change #613 with diff file ISSM-18920-18921.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Element.cpp
Export determination: 6.
Rationale: CHG: alphabetical order in Element.cpp

Change #614 with diff file ISSM-18921-18922.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor reordering Penta.cpp

Change #615 with diff file ISSM-18922-18923.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor reordering Penta.h

Change #616 with diff file ISSM-18923-18924.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reorder Tetra

Change #617 with diff file ISSM-18924-18925.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: minor ordering segment

Change #618 with diff file ISSM-18925-18926.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: finished reordering elements

Change #619 with diff file ISSM-18926-18927.diff:

Function name:

M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h
M /issm/trunk-jpl/src/c/classes/Loads/Load.h M /issm/trunk-jpl/src/c/classes/Loads/Loads.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Loads.h M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Numericalflux.h M /issm/trunk-jpl/src/c/classes/Loads/Pengrid.cpp
M /issm/trunk-jpl/src/c/classes/Loads/Penpair.cpp M /issm/trunk-jpl/src/c/classes/Loads/Penpair.h
M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.cpp M /issm/trunk-jpl/src/c/classes/Loads/Riftfront.h

Export determination: 6.

Rationale: CHG: reordering loads

Change #620 with diff file ISSM-18927-18928.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/netCDF/ClassTry.py M /issm/trunk-jpl/src/m/contrib/netCDF/export_net

Export determination: 6.

Rationale: NEW: duplicate of model in a more Pythonistic way, correction in
export for the classtype of results

Change #621 with diff file ISSM-18928-18929.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: ordering StressbalanceAnalysis

Change #622 with diff file ISSM-18929-18930.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/Analysis.h M /issm/trunk-jpl/src/c/analyses/DepthAverageAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/DepthAverageAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrapolationA
M /issm/trunk-jpl/src/c/analyses/ExtrapolationAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBa
M /issm/trunk-jpl/src/c/analyses/ExtrudeFromBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/ExtrudeFromTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceBaseAnalysis.h M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/FreeSurfaceTopAnalysis.h M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.cpp
M /issm/trunk-jpl/src/c/analyses/GiaAnalysis.h

Export determination: 6.

Rationale: CHG: some ordering

jpl/src/c/classes/Constraints/SpcTransient.h

Export determination: 6.

Rationale: CHG: minor ordering

Change #625 with diff file ISSM-18932-18933.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2015.0.090-mpt.2.11r13.sh

Export determination: 6.

Rationale: NEW:updating mpi install on pleiade

Change #626 with diff file ISSM-18933-18934.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-pleiades-intel2015.0.090-mpt.2.11r13.sh

Export determination: 6.

Rationale: NEW:updating mpi install on pleiade

Change #627 with diff file ISSM-18934-18935.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh

Export determination: 6.

Rationale: CHG: new openmpi on hpc

Change #628 with diff file ISSM-18935-18936.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: part where the AD solvers are created was not protected for non-ad runs!

Change #629 with diff file ISSM-18936-18937.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: some minor comments.

Change #630 with diff file ISSM-18937-18938.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: protect closing of output file from AD runs.

Change #631 with diff file ISSM-18938-18939.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: reverting.

Change #632 with diff file ISSM-18939-18940.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: issue with size of tape stats, hopefully fixed.

Change #633 with diff file ISSM-18940-18941.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: issue with size of tape stats.

Change #634 with diff file ISSM-18941-18942.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added check to avoid crash

Change #635 with diff file ISSM-18942-18943.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: rehooking ad gradient core

Change #636 with diff file ISSM-18943-18944.diff:

Function name:

M /issm/trunk-jpl

Export determination: 6.

Rationale: CHG: ignoring build-fw and build-ad for multi-target compilation.

Change #637 with diff file ISSM-18944-18945.diff:

Function name:

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

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

Export determination: 6.

Rationale: BUG: fixed test101.py with new massflux class

Change #638 with diff file ISSM-18945-18946.diff:

Function name:

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

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

A /issm/trunk-jpl/src/m/enum/VxObsEnum.m A /issm/trunk-jpl/src/m/enum/VyObsEnum.m

A /issm/trunk-jpl/src/m/enum/WeightsVxObsEnum.m A /issm/trunk-jpl/src/m/enum/WeightsVyObsEnum.

Export determination: 6.

Rationale: CHG: new enums.

Change #639 with diff file ISSM-18946-18947.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/Loads/Pengrid.cpp

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

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

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/No

M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
Export determination: 6.
Rationale: CHG: removed useless functions, call GetMaterialParameter instead

Change #640 with diff file ISSM-18947-18948.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: BUG: forgot some GetRho functions

Change #641 with diff file ISSM-18948-18949.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
Export determination: 6.
Rationale: BUG: forgot GetRho functions for Dakota

Change #642 with diff file ISSM-18949-18950.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
Export determination: 6.
Rationale: BUG: fixed wrong enums in a couple files

Change #643 with diff file ISSM-18950-18951.diff:
Function name:
M /issm/trunk-jpl/m4/analyses.m4 M /issm/trunk-jpl/src/c/analyses/MasstransportAnalysis.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/shared/Elements/ComputeDelta18oTemperaturePrecipitation.cpp
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/EnumToString.cpp M /issm/trunk-jpl/src/c/shared/Enum/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/SMBpdd.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py
M /issm/trunk-jpl/src/m/plot/processmesh.m
Export determination: 6.
Rationale: minor changes to PDD method

Change #644 with diff file ISSM-18951-18952.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: updating GetRhoIce in pdd

Change #645 with diff file ISSM-18952-18953.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added isprop back

Change #646 with diff file ISSM-18953-18954.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/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/cores/transient_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 A /issm/trunk-jpl/src/m/classes/calvingpi.m

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

A /issm/trunk-jpl/src/m/enum/CalvingpiCoeffEnum.m A /issm/trunk-jpl/src/m/enum/CalvingpiMeltingrate

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

Export determination: 6.

Rationale: NEW : Calving Pi model

Change #647 with diff file ISSM-18954-18955.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive806.nc

Export determination: 6.

Rationale: BUG : repaired archive

Change #648 with diff file ISSM-18955-18956.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calving.py
Export determination: 6.
Rationale: CHG: Allow transient forcing of calvingrate and meltingrate in
md.calving

Change #649 with diff file ISSM-18956-18957.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp M /issm/trunk-jpl/src/c/classes/Elements/Tria.h
Export determination: 6.
Rationale: ADD: Computation of Tria-area covered by ice. Computation of
determination of ice distribution in element.

Change #650 with diff file ISSM-18957-18958.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: compute Tria ice volume now also over elements intersected
by 0-levelset

Change #651 with diff file ISSM-18958-18959.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: minor: code cleanup (aka killing a code-monster)

Change #652 with diff file ISSM-18959-18960.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/cores/transient_core.cpp
Export determination: 6.
Rationale: CHG: extrapolate thickness for Levelset-Method, and add computed
calvingrate to results

Change #653 with diff file ISSM-18960-18961.diff:

Function name:

M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.m M /issm/trunk-jpl/src/m/solve/parseresultsfromdisk.p

Export determination: 6.

Rationale: ADD: convert calvingrate output to m/yr

Change #654 with diff file ISSM-18961-18962.diff:

Function name:

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

Export determination: 6.

Rationale: ADD: extrude calving.meltingrate

Change #655 with diff file ISSM-18962-18963.diff:

Function name:

M /issm/trunk-jpl/test/Archives/Archive801.nc M /issm/trunk-jpl/test/Archives/Archive802.nc

M /issm/trunk-jpl/test/Archives/Archive803.nc M /issm/trunk-jpl/test/Archives/Archive804.nc

M /issm/trunk-jpl/test/Archives/Archive805.nc M /issm/trunk-jpl/test/Archives/Archive806.nc

M /issm/trunk-jpl/test/Archives/Archive807.nc M /issm/trunk-jpl/test/NightlyRun/test801.m

M /issm/trunk-jpl/test/NightlyRun/test801.py M /issm/trunk-jpl/test/NightlyRun/test802.m

M /issm/trunk-jpl/test/NightlyRun/test802.py M /issm/trunk-jpl/test/NightlyRun/test803.m

M /issm/trunk-jpl/test/NightlyRun/test803.py M /issm/trunk-jpl/test/Par/ValleyGlacierShelf.par

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

Export determination: 6.

Rationale: minor: adding required fields, updating archives

Change #656 with diff file ISSM-18963-18964.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: calvginpi not defined in Python yet

Change #657 with diff file ISSM-18964-18965.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test806.m M /issm/trunk-jpl/test/NightlyRun/test806.py

M /issm/trunk-jpl/test/NightlyRun/test807.m M /issm/trunk-jpl/test/NightlyRun/test807.py

Export determination: 6.
Rationale: minor: relaxing tolerances

Change #658 with diff file ISSM-18965-18966.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/calving.py
Export determination: 6.
Rationale: BUG: do not provide sub array to consistency check

Change #659 with diff file ISSM-18966-18967.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Constraints/SpcTransient.cpp
Export determination: 6.
Rationale: CHG: removing constraint release

Change #660 with diff file ISSM-18967-18968.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG : power of 0.3 for calving pi model

Change #661 with diff file ISSM-18968-18969.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.h M /issm/trunk-jpl/src/c/classes/Elements/Penta.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Penta.h M /issm/trunk-jpl/src/c/classes/Elements/Seg.h
M /issm/trunk-jpl/src/c/classes/Elements/Tetra.h M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
M /issm/trunk-jpl/src/c/classes/Elements/Tria.h M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateTria.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.cpp
M /issm/trunk-jpl/src/c/modules/SurfaceMassBalance/SurfaceMassBalance.h
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/StringToEnum.cpp
M /issm/trunk-jpl/src/m/classes/SMBpdd.m M /issm/trunk-jpl/src/m/classes/SMBpdd.py
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py M /issm/trunk-jpl/test/NightlyRun/test236.m

M /issm/trunk-jpl/test/NightlyRun/test236.py M /issm/trunk-jpl/test/NightlyRun/test237.m
M /issm/trunk-jpl/test/NightlyRun/test237.py
Export determination: 6.
Rationale: updating pdd module and NR 236 and 237. Updated python scripts
may not work as I am not familiar with python.

Change #662 with diff file ISSM-18969-18970.diff:

Function name:

A /issm/trunk-jpl/src/c/shared/Elements/ComputeMungsmTemperaturePrecipitation.cpp

A /issm/trunk-jpl/src/m/enum/SurfaceforcingsIsmungsmEnum.m A /issm/trunk-jpl/src/m/enum/SurfaceforcingsPrecipitationsLgmEnum.m

Export determination: 6.

Rationale: adding modules for earlier pdd update

Change #663 with diff file ISSM-18970-18971.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed some indentation in py implemetation of PDD

Change #664 with diff file ISSM-18971-18972.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test236.py

Export determination: 6.

Rationale: BUG: fixed some matlab to python conversion

Change #665 with diff file ISSM-18972-18973.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: new archives after changes in PDD model

Change #666 with diff file ISSM-18973-18974.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.m A /issm/trunk-jpl/test/NightlyRun/test332.py

A /issm/trunk-jpl/test/NightlyRun/test333.py

Export determination: 6.

Rationale: NEW: adding hydro test in puthon

Change #667 with diff file ISSM-18974-18975.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.m

Export determination: 6.

Rationale: CHG: reverting nightly 3300

Change #668 with diff file ISSM-18975-18976.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/FemModel.cpp

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

Export determination: 6.

Rationale: minor clean-up in Hydro Code

Change #669 with diff file ISSM-18976-18977.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: temporary fix for Ice Volume

Change #670 with diff file ISSM-18977-18978.diff:

Function name:

D /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2012.0.032-mpt.2.06rp16.sh

D /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades-intel2015.0.090-mpt.2.11r13.sh

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh

Export determination: 6.

Rationale: CHG: switching to new compiler and new mpi

Change #671 with diff file ISSM-18978-18979.diff:

Function name:

M /issm/trunk-jpl/configs/config-linux64-pleiades-intel2015.0.090-mpt.2.11r13.sh

M /issm/trunk-jpl/externalpackages/gslib/install.sh M /issm/trunk-jpl/src/c/solutionsequences/solutionsequences

Export determination: 6.

Rationale: CHG: switching to new compiler and new mpi

Change #672 with diff file ISSM-18979-18980.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: switching to new compiler and new mpi

Change #673 with diff file ISSM-18980-18981.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: update mkl to new compiler comp-intel/2015.0.090

Change #674 with diff file ISSM-18981-18982.diff:

Function name:

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

Export determination: 6.

Rationale: NEW: adding a flag to switch off the epl thickness computation

Change #675 with diff file ISSM-18982-18983.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/model.py M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py

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

Export determination: 6.

Rationale: NEW: adding a flag to switch off the epl thickness computation

Change #676 with diff file ISSM-18983-18984.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test3300.m M /issm/trunk-jpl/test/NightlyRun/test333.m

M /issm/trunk-jpl/test/NightlyRun/test333.py M /issm/trunk-jpl/test/NightlyRun/test335.m

Export determination: 6.

Rationale: NEW: adding a flag to switch off the epl thickness computation

Change #677 with diff file ISSM-18984-18985.diff:

Function name:

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

M /issm/trunk-jpl/test/NightlyRun/test237.py

Export determination: 6.

Rationale: BUG: fixgin PDD in python

Change #678 with diff file ISSM-18985-18986.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: Correction to hydro fricton

Change #679 with diff file ISSM-18986-18987.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing python implementation

Change #680 with diff file ISSM-18987-18988.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test237.py

Export determination: 6.

Rationale: BUG: final fix

Change #681 with diff file ISSM-18988-18989.diff:

Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: CHG: Correction to hydro friction

Change #682 with diff file ISSM-18989-18990.diff:
Function name:
M /issm/trunk-jpl/test/Archives/Archive701.nc M /issm/trunk-jpl/test/NightlyRun/test701.m
Export determination: 6.
Rationale: CHG: reverting test701

Change #683 with diff file ISSM-18990-18991.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: BUG: adding zero velocity check in friction hydro

Change #684 with diff file ISSM-18991-18992.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp
Export determination: 6.
Rationale: BUG: adding the case where effective pressure is null

Change #685 with diff file ISSM-18992-18993.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Loads/Friction.cpp M /issm/trunk-jpl/src/c/classes/Loads/Friction.h
Export determination: 6.
Rationale: NEW: adding the complement to invert for the sliding parameter in
Hydro friction law

Change #686 with diff file ISSM-18993-18994.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/inversion.m A /issm/trunk-jpl/src/m/inversions/supportedcontrols.m

Export determination: 6.
Rationale: CHG: merging all controls in one file

Change #687 with diff file ISSM-18994-18995.diff:

Function name:

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

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

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

A /issm/trunk-jpl/src/m/inversions/marshallcostfunctions.m A /issm/trunk-jpl/src/m/inversions/marshallcos

A /issm/trunk-jpl/src/m/inversions/supportedcontrols.py A /issm/trunk-jpl/src/m/inversions/supportedcostf

A /issm/trunk-jpl/src/m/inversions/supportedcostfunctions.py

Export determination: 6.

Rationale: NEW: merging cost functions

Change #688 with diff file ISSM-18995-18996.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: requesting too many cpus was crashing the test

Change #689 with diff file ISSM-18996-18997.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed memory leak

Change #690 with diff file ISSM-18997-18998.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added patch option to expdisp

Change #691 with diff file ISSM-18998-18999.diff:

[illegible]

A /issm/trunk-jpl/src/m/enum/Outputdefinition99Enum.m

Export determination: 6.

Rationale: CHG: add more output defs

Change #692 with diff file ISSM-18999-19000.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: new output def enums

Change #693 with diff file ISSM-19000-19001.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: add more output def options

Change #694 with diff file ISSM-19001-19002.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/frictionhydro.m M /issm/trunk-jpl/src/m/inversions/supportedcontrols.m

M /issm/trunk-jpl/src/m/inversions/supportedcontrols.py

Export determination: 6.

Rationale: Adding the inversion capability for hydro related friction law

Change #695 with diff file ISSM-19002-19003.diff:

Function name:

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

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/TriaInput.h

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

Export determination: 6.

Rationale: Adding the inversion capability for hydro related friction law

Change #696 with diff file ISSM-19003-19004.diff:

Function name:

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

Export determination: 6.

Rationale: CHG:Corection ine Epl thickness and effective pressure computation

Change #697 with diff file ISSM-19004-19005.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing min

Change #698 with diff file ISSM-19005-19006.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing effective pressure computation

Change #699 with diff file ISSM-19006-19007.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing epl thickness computation

Change #700 with diff file ISSM-19007-19008.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:deleting print

Change #701 with diff file ISSM-19008-19009.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Elements/ComputeDelta18oTemperaturePrecipitation.cpp
Export determination: 6.
Rationale: update comments on deltaO18 pdd method

Change #702 with diff file ISSM-19009-19010.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/solutionsequences/solutionsequence_hydro_nonlinear.cpp

Export determination: 6.

Rationale: CHG: change in the solution sequeence for a better gestion of the
epl colapse

Change #703 with diff file ISSM-19010-19011.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am A /issm/trunk-jpl/src/c/modules/ExpToLevelSetx

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

jpl/src/c/modules/ExpToLevelSetx/ExpToLevelSetx.h A /issm/trunk-jpl/src/c/modules/ExpToLevelSetx/Ex

A /issm/trunk-jpl/src/wrappers/ExpToLevelSet A /issm/trunk-jpl/src/wrappers/ExpToLevelSet/ExpToLevel

A /issm/trunk-jpl/src/wrappers/ExpToLevelSet/ExpToLevelSet.h

Export determination: 6.

Rationale: CHG: new module ExpToLevelSet.

Change #704 with diff file ISSM-19011-19012.diff:

Function name:

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

A /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.h M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am

Export determination: 6.

Rationale: CHG: new M1qn3 module, to use it in matlab.

Change #705 with diff file ISSM-19012-19013.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/resultstomatrix.m

Export determination: 6.

Rationale: NEW: new function resultstomatrix to extract results from md.results
and to resample them in time.

Change #706 with diff file ISSM-19013-19014.diff:

Function name:

A /issm/trunk-jpl/src/m/plot/export_gl.m A /issm/trunk-jpl/src/m/plot/writejsfield.m

A /issm/trunk-jpl/src/m/plot/writejsfile.m

Export determination: 6.

Rationale: CHG: new export capability towards the visl outreach project.

Change #707 with diff file ISSM-19014-19015.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: making the rheology a forcing.

Change #708 with diff file ISSM-19015-19016.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding ExpToLevelSet header file.

Change #709 with diff file ISSM-19016-19017.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: small update on plotdoc regarding 'alloptions' option, which is now gone.

Change #710 with diff file ISSM-19017-19018.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx

Export determination: 6.

Rationale: CHG: get svn to ignore some files

Change #711 with diff file ISSM-19018-19019.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #712 with diff file ISSM-19019-19020.diff:

Function name:

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/shared/Enum/EnumDefinitions.h

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

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

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

Export determination: 6.

Rationale: CHG: added some enums

Change #713 with diff file ISSM-19020-19021.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/ExpToLevelSet M /issm/trunk-jpl/src/wrappers/M1qn3

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

Export determination: 6.

Rationale: BUG: Eric forgot to add M1QN3 to LDADD

Change #714 with diff file ISSM-19021-19022.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #715 with diff file ISSM-19022-19023.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: forgot to add _HAVE_M1QN3_

Change #716 with diff file ISSM-19023-19024.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/hack/resultstomatrix.m (from /issm/trunk-jpl/src/m/contrib/resultstomatrix.m:19021) D /issm/trunk-jpl/src/m/contrib/resultstomatrix.m

Export determination: 6.

Rationale: CHG: moving stuff around

Change #717 with diff file ISSM-19024-19025.diff:

Function name:

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

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

M /issm/trunk-jpl/src/m/classes/calvingpi.m M /issm/trunk-jpl/src/wrappers/M1qn3/M1qn3.cpp

Export determination: 6.

Rationale: NEW: added stabilization to calving

Change #718 with diff file ISSM-19025-19026.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: allow stabilization to be dynamic

Change #719 with diff file ISSM-19026-19027.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added isinf check on data_min

Change #720 with diff file ISSM-19027-19028.diff:

Function name:

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

M /issm/trunk-jpl/src/m/classes/SMB.py M /issm/trunk-jpl/src/m/classes/SMBcomponents.m

M /issm/trunk-jpl/src/m/classes/SMBcomponents.py M /issm/trunk-jpl/src/m/classes/SMBgradients.m

M /issm/trunk-jpl/src/m/classes/SMBgradients.py M /issm/trunk-jpl/src/m/classes/SMBhenning.m

M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m M /issm/trunk-jpl/src/m/classes/SMBmeltcomponen

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

M /issm/trunk-jpl/src/m/classes/basalforcings.m M /issm/trunk-jpl/src/m/classes/basalforcings.py
M /issm/trunk-jpl/src/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calving.py
M /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/calvinglevermann.py
M /issm/trunk-jpl/src/m/classes/calvingpi.m M /issm/trunk-jpl/src/m/classes/damage.m
M /issm/trunk-jpl/src/m/classes/damage.py M /issm/trunk-jpl/src/m/classes/friction.m
M /issm/trunk-jpl/src/m/classes/friction.py M /issm/trunk-jpl/src/m/classes/frictionhydro.m
M /issm/trunk-jpl/src/m/classes/frictiontemp.m M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.m
M /issm/trunk-jpl/src/m/classes/frictionweertman.m M /issm/trunk-jpl/src/m/classes/frictionweertman.py
M /issm/trunk-jpl/src/m/classes/frictionweertmantemp.m M /issm/trunk-jpl/src/m/classes/geometry.m
M /issm/trunk-jpl/src/m/classes/geometry.py 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.m
M /issm/trunk-jpl/src/m/classes/hydrologyshreve.py M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m
M /issm/trunk-jpl/src/m/classes/linearbasalforcings.py M /issm/trunk-jpl/src/m/classes/masscon.m
M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py
M /issm/trunk-jpl/src/m/classes/matice.m M /issm/trunk-jpl/src/m/classes/matice.py
M /issm/trunk-jpl/src/m/classes/misfit.m M /issm/trunk-jpl/src/m/classes/snowpack.m
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py
M /issm/trunk-jpl/src/m/classes/thermal.m M /issm/trunk-jpl/src/m/classes/thermal.py
M /issm/trunk-jpl/src/m/consistency/checkfield.m M /issm/trunk-jpl/src/m/consistency/checkfield.py
M /issm/trunk-jpl/src/m/solve/WriteData.m M /issm/trunk-jpl/src/m/solve/WriteData.py
Export determination: 6.
Rationale: CHG: renamed 'forcing' -> 'timeseries'

Change #721 with diff file ISSM-19028-19029.diff:

Function name:

D /issm/trunk-jpl/src/ad

Export determination: 6.

Rationale: DEL: not needed anymore

Change #722 with diff file ISSM-19029-19030.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: fix folds from delo18 call

Change #723 with diff file ISSM-19030-19031.diff:

Function name:

M /issm/trunk-jpl/src/c/shared/Matrix/MatrixUtils.cpp M /issm/trunk-jpl/src/c/shared/Matrix/matrix.h

Export determination: 6.
Rationale: NEW: added eigen values and vector calculations for 2x2 symetric matrices

Change #724 with diff file ISSM-19031-19032.diff:

Function name:
M /issm/trunk-jpl/test/NightlyRun/test3300.m
Export determination: 6.
Rationale: change in leakage value

Change #725 with diff file ISSM-19032-19033.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCInefficientAnalysis.cpp
Export determination: 6.
Rationale: BUG: fixing time dependance of the transfer

Change #726 with diff file ISSM-19033-19034.diff:

Function name:
M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/StressbalanceAnalysis.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/cores/transient_core.cpp
Export determination: 6.
Rationale: NEW: testing new calving law

Change #727 with diff file ISSM-19034-19035.diff:

Function name:
A /issm/trunk-jpl/src/m/classes/calvingdev.m
Export determination: 6.
Rationale: NEW: adding new calving law

Change #728 with diff file ISSM-19035-19036.diff:

Function name:

A /issm/trunk-jpl/src/m/plot/export_gl.py A /issm/trunk-jpl/src/m/plot/writejsfield.py

A /issm/trunk-jpl/src/m/plot/writejsfile.py

Export determination: 6.

Rationale: ADD: Pythonized versions of js database export functions, partially pythonized export_gl.py

Change #729 with diff file ISSM-19036-19037.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/export_gl.py M /issm/trunk-jpl/src/m/plot/writejsfield.py

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

Export determination: 6.

Rationale: CHG: Export python script modifications

Change #730 with diff file ISSM-19037-19038.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/writejsfield.py M /issm/trunk-jpl/src/m/plot/writejsfile.py

Export determination: 6.

Rationale: Corrected

Change #731 with diff file ISSM-19038-19039.diff:

Function name:

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

Export determination: 6.

Rationale: export_gl

Change #732 with diff file ISSM-19039-19040.diff:

Function name:

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

Export determination: 6.

Rationale: All syntax fixed for export scripts

Change #733 with diff file ISSM-19040-19041.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/SMB.m M /issm/trunk-jpl/src/m/classes/SMBcomponents.m
M /issm/trunk-jpl/src/m/classes/SMBgradients.m M /issm/trunk-jpl/src/m/classes/SMBhenning.m
M /issm/trunk-jpl/src/m/classes/SMBmeltcomponents.m M /issm/trunk-jpl/src/m/classes/SMBpdd.m
M /issm/trunk-jpl/src/m/classes/adinversion.m M /issm/trunk-jpl/src/m/classes/autodiff.m
M /issm/trunk-jpl/src/m/classes/balancethickness.m M /issm/trunk-jpl/src/m/classes/basalforcings.m
M /issm/trunk-jpl/src/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calvingdev.m
M /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/calvingpi.m
M /issm/trunk-jpl/src/m/classes/clusters/generic.m M /issm/trunk-jpl/src/m/classes/constants.m
M /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/debug.m
M /issm/trunk-jpl/src/m/classes/dependent.m M /issm/trunk-jpl/src/m/classes/flaim.m
M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/friction.m
M /issm/trunk-jpl/src/m/classes/frictionhydro.m M /issm/trunk-jpl/src/m/classes/frictiontemp.m
M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.m M /issm/trunk-jpl/src/m/classes/frictionweertman.m
M /issm/trunk-jpl/src/m/classes/frictionweertmantemp.m M /issm/trunk-jpl/src/m/classes/geometry.m
M /issm/trunk-jpl/src/m/classes/gia.m M /issm/trunk-jpl/src/m/classes/groundingline.m
M /issm/trunk-jpl/src/m/classes/hydrologydc.m M /issm/trunk-jpl/src/m/classes/hydrologyshreve.m
M /issm/trunk-jpl/src/m/classes/independent.m M /issm/trunk-jpl/src/m/classes/initialization.m
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/linearbasalforcings.m M /issm/trunk-jpl/src/m/classes/mlqn3inversion.m
M /issm/trunk-jpl/src/m/classes/mask.m M /issm/trunk-jpl/src/m/classes/masscon.m
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/masstransport.m M /issm/trunk-jpl/src/m/classes/matdamageice.m
M /issm/trunk-jpl/src/m/classes/matice.m M /issm/trunk-jpl/src/m/classes/matseaice.m
M /issm/trunk-jpl/src/m/classes/mesh2d.m M /issm/trunk-jpl/src/m/classes/mesh2dvertical.m
M /issm/trunk-jpl/src/m/classes/mesh3dprisms.m M /issm/trunk-jpl/src/m/classes/mesh3dtetras.m
M /issm/trunk-jpl/src/m/classes/miscellaneous.m M /issm/trunk-jpl/src/m/classes/misfit.m
M /issm/trunk-jpl/src/m/classes/model.m M /issm/trunk-jpl/src/m/classes/modellist.m
M /issm/trunk-jpl/src/m/classes/outputdefinition.m M /issm/trunk-jpl/src/m/classes/pairoptions.m
M /issm/trunk-jpl/src/m/classes/private.m M /issm/trunk-jpl/src/m/classes/qmu.m
M /issm/trunk-jpl/src/m/classes/radaroverlay.m M /issm/trunk-jpl/src/m/classes/rifts.m
M /issm/trunk-jpl/src/m/classes/seaice.m M /issm/trunk-jpl/src/m/classes/seaiceatm.m
M /issm/trunk-jpl/src/m/classes/seaiceinitialization.m M /issm/trunk-jpl/src/m/classes/seaiceocean.m
M /issm/trunk-jpl/src/m/classes/settings.m M /issm/trunk-jpl/src/m/classes/snowpack.m
M /issm/trunk-jpl/src/m/classes/spheremesh.m M /issm/trunk-jpl/src/m/classes/steadystate.m
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/taoinversion.m
M /issm/trunk-jpl/src/m/classes/thermal.m M /issm/trunk-jpl/src/m/classes/timestepping.m
M /issm/trunk-jpl/src/m/classes/toolkits.m M /issm/trunk-jpl/src/m/classes/toolkits.py
M /issm/trunk-jpl/src/m/classes/transient.m M /issm/trunk-jpl/src/m/classes/verbose.m

Export determination: 6.

Rationale: CHG: renmaned obj -j self to look like python

Change #734 with diff file ISSM-19041-19042.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py
Export determination: 6.
Rationale: CHG: fixing some issues in constructor.

Change #735 with diff file ISSM-19042-19043.diff:

Function name:
M /issm/trunk-jpl/src/m/classes/adinversion.m M /issm/trunk-jpl/src/m/classes/frictiontemp.m
M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.m M /issm/trunk-jpl/src/m/classes/hydrologyshreve.m
M /issm/trunk-jpl/src/m/classes/inversionvalidation.m M /issm/trunk-jpl/src/m/classes/linearbasalforcings.m
Export determination: 6.
Rationale: BUG: minor

Change #736 with diff file ISSM-19043-19044.diff:

Function name:
M /issm/trunk-jpl/examples/ISMIP/CheatyRunme.m M /issm/trunk-jpl/examples/ISMIP/runme.m
M /issm/trunk-jpl/examples/Pig/Pig.par M /issm/trunk-jpl/examples/Pig/PigRegion.m
M /issm/trunk-jpl/examples/Pig/runme.m
Export determination: 6.
Rationale: CHG: removed all folds

Change #737 with diff file ISSM-19044-19045.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/export_gl.py M /issm/trunk-jpl/src/m/plot/writejsfield.py
M /issm/trunk-jpl/src/m/plot/writejsfile.py
Export determination: 6.
Rationale: Updated export_gl scripts now working

Change #738 with diff file ISSM-19045-19046.diff:

Function name:
M /issm/trunk-jpl/src/m/plot/export_gl.py M /issm/trunk-jpl/src/m/plot/writejsfield.py
M /issm/trunk-jpl/src/m/plot/writejsfile.py
Export determination: 6.
Rationale: Updated export script formatting

Change #739 with diff file ISSM-19046-19047.diff:

Function name:

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

Export determination: 6.

Rationale: Updated export script formatting again

Change #740 with diff file ISSM-19047-19048.diff:

Function name:

M /issm/trunk-jpl/src/c M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/cores/transient_core.cpp M /issm/trunk-jpl/src/c/modules A /issm/trunk-jpl/src/c/modules/Calvingx A /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.cpp A /issm/trunk-jpl/src/c/modules/Calvingx/Calvingx.h M /issm/trunk-jpl/src/c/modules/ExpToLevelSetx M /issm/trunk-jpl/src/c/modules/modules.h M /issm/trunk-jpl/src/wrappers M /issm/trunk-jpl/src/wrappers/ExpToLevelSet M /issm/trunk-jpl/src/wrappers/M1qn3 M /issm/trunk-jpl/src/wrappers/matlab/Makefile.am M /issm/trunk-jpl/src/wrappers/python/Makefile.am
Export determination: 6.

Rationale: NEW: added Calvingx module, and removed all header files from Makefile.am

Change #741 with diff file ISSM-19048-19049.diff:

Function name:

M /issm/trunk-jpl/src/m/classes/basalforcings.m M /issm/trunk-jpl/src/m/classes/basalforcings.py M /issm/trunk-jpl/src/m/classes/calving.m M /issm/trunk-jpl/src/m/classes/calving.py M /issm/trunk-jpl/src/m/classes/calvinglevermann.m M /issm/trunk-jpl/src/m/classes/calvinglevermann.py M /issm/trunk-jpl/src/m/classes/calvingpi.m M /issm/trunk-jpl/src/m/classes/damage.m M /issm/trunk-jpl/src/m/classes/damage.py M /issm/trunk-jpl/src/m/classes/flowequation.m M /issm/trunk-jpl/src/m/classes/flowequation.py 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 M /issm/trunk-jpl/src/m/classes/frictionwaterlayer.m M /issm/trunk-jpl/src/m/classes/frictionweertman.m M /issm/trunk-jpl/src/m/classes/frictionweertman.py M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/geometry.py M /issm/trunk-jpl/src/m/classes/gia.m M /issm/trunk-jpl/src/m/classes/gia.py M /issm/trunk-jpl/src/m/classes/hydrologydc.m M /issm/trunk-jpl/src/m/classes/hydrologydc.py 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/initialization.m M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/inversion.m M /issm/trunk-jpl/src/m/classes/inversion.py M /issm/trunk-jpl/src/m/classes/inversionvalidation.m M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m M /issm/trunk-jpl/src/m/classes/m1qn3inversion.py M /issm/trunk-jpl/src/m/classes/mask.m M /issm/trunk-jpl/src/m/classes/mask.py M /issm/trunk-jpl/src/m/classes/masstransport.m M /issm/trunk-jpl/src/m/classes/masstransport.py M /issm/trunk-jpl/src/m/classes/matdamageice.m M /issm/trunk-jpl/src/m/classes/matdamageice.py

M /issm/trunk-jpl/src/m/classes/matrice.m M /issm/trunk-jpl/src/m/classes/matrice.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/qmu.m M /issm/trunk-jpl/src/m/classes/qmu.py
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/classes/stressbalance.py
M /issm/trunk-jpl/src/m/classes/taoinversion.m M /issm/trunk-jpl/src/m/classes/thermal.m
M /issm/trunk-jpl/src/m/classes/thermal.py M /issm/trunk-jpl/src/m/dev/issmversion.m
Export determination: 6.
Rationale: NEW: extrude is now a method of each class so that model.m does
not need to know what class is being used

Change #742 with diff file ISSM-19049-19050.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/IdToName.m M /issm/trunk-jpl/test/NightlyRun/IdToName.py
M /issm/trunk-jpl/test/NightlyRun/test101.m M /issm/trunk-jpl/test/NightlyRun/test101.py
M /issm/trunk-jpl/test/NightlyRun/test102.m M /issm/trunk-jpl/test/NightlyRun/test102.py
M /issm/trunk-jpl/test/NightlyRun/test103.m M /issm/trunk-jpl/test/NightlyRun/test103.py
M /issm/trunk-jpl/test/NightlyRun/test104.m M /issm/trunk-jpl/test/NightlyRun/test104.py
M /issm/trunk-jpl/test/NightlyRun/test105.m M /issm/trunk-jpl/test/NightlyRun/test105.py
M /issm/trunk-jpl/test/NightlyRun/test106.m M /issm/trunk-jpl/test/NightlyRun/test106.py
M /issm/trunk-jpl/test/NightlyRun/test107.m M /issm/trunk-jpl/test/NightlyRun/test107.py
M /issm/trunk-jpl/test/NightlyRun/test108.m M /issm/trunk-jpl/test/NightlyRun/test108.py
M /issm/trunk-jpl/test/NightlyRun/test109.m M /issm/trunk-jpl/test/NightlyRun/test109.py
M /issm/trunk-jpl/test/NightlyRun/test110.m M /issm/trunk-jpl/test/NightlyRun/test110.py
M /issm/trunk-jpl/test/NightlyRun/test1101.m M /issm/trunk-jpl/test/NightlyRun/test1101.py
M /issm/trunk-jpl/test/NightlyRun/test1102.m M /issm/trunk-jpl/test/NightlyRun/test1102.py
M /issm/trunk-jpl/test/NightlyRun/test1103.m M /issm/trunk-jpl/test/NightlyRun/test1103.py
M /issm/trunk-jpl/test/NightlyRun/test1104.m M /issm/trunk-jpl/test/NightlyRun/test1104.py
M /issm/trunk-jpl/test/NightlyRun/test1105.m M /issm/trunk-jpl/test/NightlyRun/test1105.py
M /issm/trunk-jpl/test/NightlyRun/test1106.m M /issm/trunk-jpl/test/NightlyRun/test1106.py
M /issm/trunk-jpl/test/NightlyRun/test1107.m M /issm/trunk-jpl/test/NightlyRun/test1107.py
M /issm/trunk-jpl/test/NightlyRun/test1108.m M /issm/trunk-jpl/test/NightlyRun/test1108.py
M /issm/trunk-jpl/test/NightlyRun/test1109.m M /issm/trunk-jpl/test/NightlyRun/test111.m
M /issm/trunk-jpl/test/NightlyRun/test111.py M /issm/trunk-jpl/test/NightlyRun/test1110.m
M /issm/trunk-jpl/test/NightlyRun/test112.m M /issm/trunk-jpl/test/NightlyRun/test112.py
M /issm/trunk-jpl/test/NightlyRun/test113.m M /issm/trunk-jpl/test/NightlyRun/test113.py
M /issm/trunk-jpl/test/NightlyRun/test114.m M /issm/trunk-jpl/test/NightlyRun/test114.py
M /issm/trunk-jpl/test/NightlyRun/test115.m M /issm/trunk-jpl/test/NightlyRun/test115.py
M /issm/trunk-jpl/test/NightlyRun/test116.m M /issm/trunk-jpl/test/NightlyRun/test116.py
D /issm/trunk-jpl/test/NightlyRun/test117.m D /issm/trunk-jpl/test/NightlyRun/test117.py
D /issm/trunk-jpl/test/NightlyRun/test118.m D /issm/trunk-jpl/test/NightlyRun/test118.py
M /issm/trunk-jpl/test/NightlyRun/test119.m M /issm/trunk-jpl/test/NightlyRun/test119.py
M /issm/trunk-jpl/test/NightlyRun/test120.m M /issm/trunk-jpl/test/NightlyRun/test120.py
M /issm/trunk-jpl/test/NightlyRun/test1201.m M /issm/trunk-jpl/test/NightlyRun/test1201.py

[illegible]

[illegible]

[illegible]

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M /issm/trunk-jpl/test/NightlyRun/test602.m M /issm/trunk-jpl/test/NightlyRun/test602.py
M /issm/trunk-jpl/test/NightlyRun/test603.m M /issm/trunk-jpl/test/NightlyRun/test603.py
M /issm/trunk-jpl/test/NightlyRun/test604.m M /issm/trunk-jpl/test/NightlyRun/test604.py
M /issm/trunk-jpl/test/NightlyRun/test605.m M /issm/trunk-jpl/test/NightlyRun/test605.py
M /issm/trunk-jpl/test/NightlyRun/test606.m M /issm/trunk-jpl/test/NightlyRun/test606.py
M /issm/trunk-jpl/test/NightlyRun/test607.m M /issm/trunk-jpl/test/NightlyRun/test607.py
M /issm/trunk-jpl/test/NightlyRun/test608.m M /issm/trunk-jpl/test/NightlyRun/test608.py
D /issm/trunk-jpl/test/NightlyRun/test609.m D /issm/trunk-jpl/test/NightlyRun/test609.py
D /issm/trunk-jpl/test/NightlyRun/test610.m D /issm/trunk-jpl/test/NightlyRun/test610.py
M /issm/trunk-jpl/test/NightlyRun/test611.m M /issm/trunk-jpl/test/NightlyRun/test611.py
M /issm/trunk-jpl/test/NightlyRun/test613.m M /issm/trunk-jpl/test/NightlyRun/test613.py
M /issm/trunk-jpl/test/NightlyRun/test701.m M /issm/trunk-jpl/test/NightlyRun/test702.m
M /issm/trunk-jpl/test/NightlyRun/test703.m M /issm/trunk-jpl/test/NightlyRun/test801.m
M /issm/trunk-jpl/test/NightlyRun/test801.py M /issm/trunk-jpl/test/NightlyRun/test802.m
M /issm/trunk-jpl/test/NightlyRun/test802.py M /issm/trunk-jpl/test/NightlyRun/test803.m
M /issm/trunk-jpl/test/NightlyRun/test803.py M /issm/trunk-jpl/test/NightlyRun/test804.m
M /issm/trunk-jpl/test/NightlyRun/test804.py M /issm/trunk-jpl/test/NightlyRun/test805.m
M /issm/trunk-jpl/test/NightlyRun/test805.py M /issm/trunk-jpl/test/NightlyRun/test806.m
M /issm/trunk-jpl/test/NightlyRun/test806.py M /issm/trunk-jpl/test/NightlyRun/test807.m
M /issm/trunk-jpl/test/NightlyRun/test807.py

Export determination: 6.

Rationale: NEW: test name is now included in the file itself so that people don't forget to include it

Change #743 with diff file ISSM-19050-19051.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: fixed extrusion of some fields

Change #744 with diff file ISSM-19051-19052.diff:

Function name:

M /issm/trunk-jpl/test/NightlyRun/test310.m M /issm/trunk-jpl/test/NightlyRun/test310.py

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

M /issm/trunk-jpl/test/NightlyRun/test438.m M /issm/trunk-jpl/test/NightlyRun/test439.m

Export determination: 6.

Rationale: BUG: fixed test names

Change #745 with diff file ISSM-19052-19053.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: changed position of 'starting' and 'finished' so that it does not fail on IdToName error

Change #746 with diff file ISSM-19053-19054.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: minor

Change #747 with diff file ISSM-19054-19055.diff:

Function name:

M /issm/trunk-jpl/src/wrappers/python/Makefile.am M /issm/trunk-jpl/src/wrappers/python/include/wrappers

Export determination: 6.

Rationale: BUG: need to comment out AUTOMAKE_OPTIONS = subdirs otherwise there is a mix up with the mex modules on murdo

Change #748 with diff file ISSM-19055-19056.diff:

Function name:

A /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.m M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py

Export determination: 6.

Rationale: NEW: adding netcdf export for matlab and minor change in python

Change #749 with diff file ISSM-19056-19057.diff:

Function name:

M /issm/trunk-jpl/src/m/plot/export_gl.py M /issm/trunk-jpl/src/m/plot/writejsfield.py

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

Export determination: 6.

Rationale: CHG: Finalizing server display database creation scripts

Change #750 with diff file ISSM-19057-19058.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixing things in colapse routines

Change #751 with diff file ISSM-19058-19059.diff:

Function name:

M /issm/trunk-jpl/externalpackages/petsc/install-3.5-greenplanet.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-hpc.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-linux64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64-static.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-macosx64.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-pleiades.sh M /issm/trunk-jpl/externalpackages/petsc/install-3.5-win7.sh

Export determination: 6.

Rationale: CHG: switching to PETSc 3.5.3

Change #752 with diff file ISSM-19059-19060.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: missing space before capability

Change #753 with diff file ISSM-19060-19061.diff:

Function name:

A /issm/trunk-jpl/externalpackages/distribute/README

Export determination: 6.

Rationale: CHG: new distribute policy.

Change #754 with diff file ISSM-19061-19062.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: added IceMass computation.

Change #755 with diff file ISSM-19062-19063.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: added IceMass computation.

Change #756 with diff file ISSM-19063-19064.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Misfit.h
Export determination: 6.
Rationale: CHG: added new capability to compute misfit when we are dealing with a global observation, such as Ice Volume or Mass.

Change #757 with diff file ISSM-19064-19065.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_rifts.m
Export determination: 6.
Rationale: CHG: added planet option (reinstated)

Change #758 with diff file ISSM-19065-19066.diff:
Function name:
M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py A /issm/trunk-jpl/src/m/enum/IceMassEnum.m
A /issm/trunk-jpl/src/m/enum/MisfitLocalEnum.m
Export determination: 6.
Rationale: CHG: new enums for the misfit class and for the computation of ice mass.

Change #759 with diff file ISSM-19066-19067.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: new enums for ice mass computation and misfit object.

Change #760 with diff file ISSM-19067-19068.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/misfit.m
Export determination: 6.
Rationale: CHG: added local field, to control computation of global or local (i.e. element wise) metrics.

Change #761 with diff file ISSM-19068-19069.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/independent.m
Export determination: 6.
Rationale: CHG: missing nods field in display method.

Change #762 with diff file ISSM-19069-19070.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/flowequation.m
Export determination: 6.
Rationale: CHG: adding mesh3dsurface embryo of capability

Change #763 with diff file ISSM-19070-19071.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/m1qn3inversion.m
Export determination: 6.
Rationale: CHG: switching order of methods

Change #764 with diff file ISSM-19071-19072.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/masscon.m M /issm/trunk-jpl/src/m/classes/massconaxpby.m
Export determination: 6.

Rationale: CHG: better way of consistency checking for range of definition enum

Change #765 with diff file ISSM-19072-19073.diff:

Function name:

M /issm/trunk-jpl/externalpackages/numpy

Export determination: 6.

Rationale: CHG: get svn to ignore some files.

Change #766 with diff file ISSM-19073-19074.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: adding local to Misfit object.

Change #767 with diff file ISSM-19074-19075.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added case of 3Dsurface

Change #768 with diff file ISSM-19075-19076.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added case of 3Dsurface

Change #769 with diff file ISSM-19076-19077.diff:

Function name:

A /issm/trunk-jpl/src/m/classes/mesh3dsurface.m

Export determination: 6.

Rationale: CHG: new class for planet meshes

Change #770 with diff file ISSM-19077-19078.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: added case for 3D surface mesh.

Change #771 with diff file ISSM-19078-19079.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/hack/resultstomatrix.m

Export determination: 6.

Rationale: CHG: minor simplification.

Change #772 with diff file ISSM-19079-19080.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/hack/resultstomatrix.m

Export determination: 6.

Rationale: CHG: fixed bug

Change #773 with diff file ISSM-19080-19081.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.m M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py

Export determination: 6.

Rationale: NEW: finishing export_netCDF in m

Change #774 with diff file ISSM-19081-19082.diff:

Function name:

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

Export determination: 6.

Rationale: CHG: change / to if ispc

Change #775 with diff file ISSM-19082-19083.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: CHG:change to flip lock and colapsing relation

Change #776 with diff file ISSM-19083-19084.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/plot_tensor_principalaxis.m
Export determination: 6.
Rationale: CHG: no more md.mesh.z in 2d

Change #777 with diff file ISSM-19084-19085.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/processdata.m
Export determination: 6.
Rationale: NEW: added mask for quiver

Change #778 with diff file ISSM-19085-19086.diff:
Function name:
M /issm/trunk-jpl/src/c/classes/Elements/Tria.cpp
Export determination: 6.
Rationale: CHG: better calving law

Change #779 with diff file ISSM-19086-19087.diff:
Function name:
M /issm/trunk-jpl/src/m/plot/manualcb.m
Export determination: 6.
Rationale: CHG: added titlefontsize for colorbar

Change #780 with diff file ISSM-19087-19088.diff:
Function name:
M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/analyses/EnumToAnalysis.cpp
D /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.cpp D /issm/trunk-jpl/src/c/analyses/SeaiceAnalysis.h
M /issm/trunk-jpl/src/c/analyses/analyses.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp

M /issm/trunk-jpl/src/c/classes/Materials/Matpar.cpp D /issm/trunk-jpl/src/c/classes/Materials/Matseaice.o
D /issm/trunk-jpl/src/c/classes/Materials/Matseaice.h 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 D /issm/trunk-jpl/src/c/cores/seaice_core.cpp M /issm/trunk-jpl/src/c/modules/ModelProcessorx/CreateElementsVerticesAndMaterials.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/EnumToStringx.cpp
M /issm/trunk-jpl/src/c/shared/Enum/StringToEnumx.cpp D /issm/trunk-jpl/src/m/classes/matseaice.m
M /issm/trunk-jpl/src/m/classes/model.m D /issm/trunk-jpl/src/m/classes/seaice.m
D /issm/trunk-jpl/src/m/classes/seaiceatm.m D /issm/trunk-jpl/src/m/classes/seaiceinitialization.m
D /issm/trunk-jpl/src/m/classes/seaiceocean.m D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanCoefEnum.m
D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanLinDragCoefEnum.m D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanQuadDragCoefEnum.m D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanTurningAngleEnum.m D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanVxEnum.m D /issm/trunk-jpl/src/m/enum/BasalforcingsOceanVyEnum.m
D /issm/trunk-jpl/src/m/enum/BasalforcingsRhoOceanEnum.m M /issm/trunk-jpl/src/m/enum/EnumDefinitions.py D /issm/trunk-jpl/src/m/enum/MaterialsCohesionEnum.m
D /issm/trunk-jpl/src/m/enum/MaterialsCompressionCoefEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsInternalFrictionCoefEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsPoissonEnum.m
D /issm/trunk-jpl/src/m/enum/MaterialsRidgingExponentEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsTimeRelaxationDamageEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsTractionCoefEnum.m D /issm/trunk-jpl/src/m/enum/MaterialsYoungModulusEnum.m D /issm/trunk-jpl/src/m/enum/MatseaiceEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceAnalysisEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceConcentrationEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceCoriolisFactorEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceMaxThicknessEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceMinConcentrationEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceMinThicknessEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceSolutionEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceSpcvxEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceSpcvyEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceThicknessEnum.m D /issm/trunk-jpl/src/m/enum/SeaiceatmEnum.m
D /issm/trunk-jpl/src/m/enum/SeaiceoceanEnum.m D /issm/trunk-jpl/src/m/enum/StressTensorPredictorxxEnum.m
D /issm/trunk-jpl/src/m/enum/StressTensorPredictorxyEnum.m D /issm/trunk-jpl/src/m/enum/StressTensorPredictoryyEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirCoefEnum.m
D /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirLinDragCoefEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirQuadDragCoefEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsAirWindVxEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsWindVxEnum.m D /issm/trunk-jpl/src/m/enum/SurfaceforcingsWindVyEnum.m D /issm/trunk-jpl/src/m/enum/VxStarEnum.m
D /issm/trunk-jpl/src/m/enum/VyStarEnum.m
Export determination: 6.
Rationale: DEL: removed all seaice components of issm

Change #781 with diff file ISSM-19088-19089.diff:

Function name:

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

Export determination: 6.
Rationale: CHG: IdToName(0) returns the list of test names

Change #782 with diff file ISSM-19089-19090.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/IdToName.m
Export determination: 6.
Rationale: CHG: IdToName() returns the list of test names

Change #783 with diff file ISSM-19090-19091.diff:
Function name:
M /issm/trunk-jpl/src/m/classes/geometry.m M /issm/trunk-jpl/src/m/classes/mask.m
M /issm/trunk-jpl/src/m/classes/stressbalance.m M /issm/trunk-jpl/src/m/consistency/ismodelselfconsistent.
Export determination: 6.
Rationale: BUG: removed some remaining seaice stuff

Change #784 with diff file ISSM-19091-19092.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.h M /issm/trunk-jpl/src/c/classes/FemModel.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_hydro_nonlinear.cpp
Export determination: 6.
Rationale: CHG: changes in how we deal with the zigzag counter on the EPL

Change #785 with diff file ISSM-19092-19093.diff:
Function name:
M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp
Export determination: 6.
Rationale: BUG:cleaning a print

Change #786 with diff file ISSM-19093-19094.diff:
Function name:
M /issm/trunk-jpl/test/NightlyRun/IdFromString.m

Export determination: 6.
Rationale: CHG: testing new IdFromString

Change #787 with diff file ISSM-19094-19095.diff:

Function name:

M /issm/trunk-jpl/src/c/analyses/HydrologyDCEfficientAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LevelsetAnalysis.cpp M /issm/trunk-jpl/src/c/analyses/LsfReinitializationAnalysis.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/FemModel.cpp
M /issm/trunk-jpl/src/c/modules/GetVectorFromInputsx/GetVectorFromInputsx.cpp
M /issm/trunk-jpl/src/c/modules/GroundinglineMigrationx/GroundinglineMigrationx.cpp
M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_la.cpp M /issm/trunk-jpl/src/c/solutionsequences/solutionsequence_la_theta.cpp

Export determination: 6.

Rationale: CHG: Adding node capability for inputupdatefromvector and changes in the zigzag counter in epl

Change #788 with diff file ISSM-19095-19096.diff:

Function name:

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

Export determination: 6.

Rationale: BUG:fixing memory leaks

Change #789 with diff file ISSM-19096-19097.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.m M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py A /issm/trunk-jpl/src/m/contrib/netCDF/read_netCDF.m

Export determination: 6.

Rationale: NEW; matlab-¿netcdf-¿matlab ability is OK

Change #790 with diff file ISSM-19097-19098.diff:

Function name:

M /issm/trunk-jpl/src/m/contrib/netCDF/export_netCDF.py

Export determination: 6.

Rationale: CHG: changing function organisation

Change #791 with diff file ISSM-19098-19099.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed memory leak

Change #792 with diff file ISSM-19099-19100.diff:

Function name:

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

Export determination: 6.

Rationale: BUG: fixed memory leak