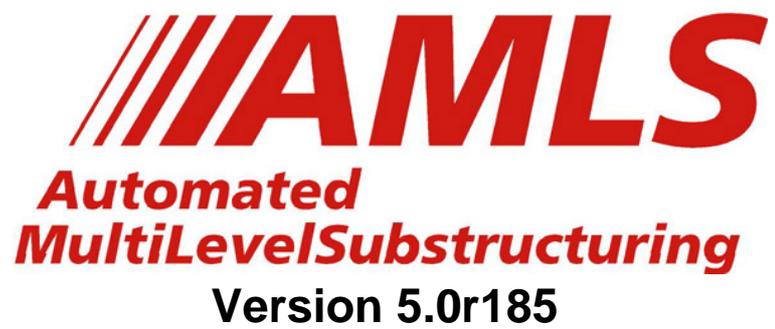


Release Note



April 28, 2014



Differences between 5.0.r169 and 5.0.r185:

These include the following:

- 1) Made factorization of last substructure more robust with respect to near singularities. The number of models that AMLS report "last ss has a significantly negative eigenvalue" should be reduced by more aggressively applying SPCs.
- 2) Phase3 results should be more repeatable, regardless of the number of CPUs used.
- 3) Changed phase5 to allocate no more memory than it can actually use.
- 4) Several phase5 memory estimation issues have been fixed.
- 5) Fixed an error in how phase3 handles area matrix data when a node is moved due to a mechanism. This only affects models where the following is true:
 - a) a node is moved due to being a mechanism or near mechanism
 - b) the model has an area matrix
 - c) the nodes have non zero rows in the area matrix
- 6) AMLS now reports memory usage as MiB instead of MB. It has always calculated MiB (1024*1024 bytes), but in the past it labeled the results MB. Now it correctly labels them MiB. FastFRS has had the same change.
- 7) Fixed phase3 error that caused it to not run to completion when multiple substructures had a node moved to the last substructure.

MSC and NX Delivery Data Bases (DDB):

On the CDH AMLS FTP site the following DDBs are stored:

MSC 2010.1.3, 2011, 2012.1, 2012.2, 2013.1 and NX8.5, and NX9.0



If there is a special need for an older DDB version, please contact:
support@cdh-ag.com.

Corrections to the previous DDB provided with 5.0.r169:

- 1) When DISP = ALL is specified with viscous damping and FFRS=yes caused an error in MSC/Nastran.
- 2) If using ODS and viscous damping exits, caused an error in MSC/Nastran.
- 3) Unsymmetric B2PP is now processed correctly.