

Changes to FRANC3D from Version 7.0.7 to 7.0.8

Apr 2017

- 1) Fixed a problem with unit conversion between FE model and crack growth data, when mixed units are used.
- 2) Fatigue cycles are now represented by int64 data type to allow for larger numbers.

Changes to FRANC3D from Version 7.0.8 to 7.0.9

July 2017

- 1) Fix issue with ANSYS contact material ids
- 2) Allow multiple ANSYS pilot nodes (and associated contact surfaces).
- 3) Fix ABAQUS Python script to get all frames of results (first frame was missing).
- 4) Add support for ABAQUS analytical (revolution and cylinder) surfaces.
- 5) Add support for ABAQUS ROTA dload.
- 6) Add support for "adjust=nset" in ABAQUS contact pair.
- 7) Fix issues processing ANSYS surf154 elements – specifically for elements with missing or condensed nodes.
- 8) Ensure the ANSYS local cracked .cdb file includes the TREF value.
- 9) Fixed some bugs in surface meshing.
- 10) Allow multiple crack front group labels for user-mesh cracks.
- 11) Added check box to turn on/off curvature correction for M-integral SIFs (for some cases with high Mode II and negligible Mode I, the correction produced incorrect Mode II SIFs).
- 12) Ortho-view icon updated in Submodel dialog when "Rubberband" tool is selected.
- 13) Fixed ANSYS contact "keyopt" default values.