

Change notes for CADfix 7.0 Service Pack 3.0

Major interface enhancements:

- ACIS import and export supports version 16 (Windows and Sun only)
- CATIA V5 import and export supports R17
- CATIA V5 import and export now on Sun Solaris
- ProEngineer import and export supports Wildfire 3.0
- ProEngineer import and export now available on Linux
- Parasolid import and export supports version 17.1
- SolidWorks import on Windows supports 2006
- Inventor import on Windows supports 11.0
- Unigraphics import on Windows supports NX4

Minor enhancements:

- Geometry Build option will project a point onto a surface and create a line from a point to a surface through the closest projected trajectory i.e. perpendicular to the surface
- Improvements to the delete feature tool
- Improvements to the Results manager
- Improvements to the results animation tool

Bug fixes for Data Exchange:

cf05181	Problem with the delete feature function on HP
cf05176	Problem handling CATIA V5 R11 model files
cf05170	Request to create a perpendicular from a point to a surface
cf05165	Improvement to delete feature for redundant vertices and connectivity 1 edges
cf05154	CATIA v5 failing to bring in the correct UNITS on SUN
cf05153	CATIA v5 part fails to import on SUN
cf05144	Splitting a line corrupts the mesh division application rules
cf05130	Mesh Manager not echoing the meshing process
cf05128	On-line help was looking up the wrong file
cf05123	Face splitting by sketching not working properly
cf05122	The default tolerance for Join edge was being set too large
cf05118	New controls to check whether the file format is for Centaur or FLITE3D
cf05114	German language dictionary corrupted at SP2
cf05113	GUI was hanging when assigning labels to large sets
cf05092	ACIS import missing second lump from a multi-lump solid
cf05087	Import of UG Parasolid units was not being respected
cf05085	Delete fillet was removing holes from model because the find was catching seamless faces

cf05080 Delete feature corrupting geometry of model
 cf05065 CADfix crash on Sun during light healing. Crashes caused because trimming values were being clipped AFTER the check for a non-degenerate trimming range, allowing a degenerate clipping range to be used.
 cf05064 CADfix crash on SUN during NURBS non-rational check
 cf05062 CADfix crash on SUN during final diagnostic scan. This was caused by a triangle face with the same neighbor on 2 sides
 cf05061 CADfix crash on SUN during Wizard repair
 cf05060 Invalid face being created during import from Parasolid
 cf05058 Problem with face splitting tool, point on edge pick in quick pick does not work
 cf05049 Join edges when they are in the SELE set is going wrong
 cf05045 Face splitting going wrong.
 cf05044 Grossly undersize surface check going wrong
 cf05043 Get a GUI error when you open an empty model
 cf05040 Delete fillet not tidying up very well
 cf05037 Delete fillet creates a nasty spike of geometry
 cf05035 Delete fillet not working on 6 small fillets
 cf05031 Delete fillet not working on this set of fillets
 cf05027 Display of assembly is wrong
 cf05025 Heavy healing keeps giving different results
 cf05019 Delete fillet going wrong
 cf05014 Invalid bodies were not being detected during repair
 cf05011 Would be nice if the GUI measure tool could give angles
 cf04969 Delete feature hangs while processing a model
 cf04963 Add support in CATIA V5 for importing multi-lump solids as combined bodies
 cf04926 GUI error reported by DLR
 cf04808 Support for free point export to IGES was added
 cf04433 Failure of the delete feature on a shell model
 cf04427 Delete fillet failure
 cf04424 Delete fillet was failing
 cf04422 Delete of the step in the housing model failed
 cf04419 Regression in delete fillet function
 cf04411 Delete feature command was being heavily affected by the tolerances used
 cf04326 Delete fillet was going into a loop
 cf04280 Delete fillet was going wrong
 cf04273 A problem with the delete feature function

Bug fixes for CAE Modeler:

cf05189 Mesh control division balancing does not work for TR6 elements
 cf05188 Mesh control division line balance line division limit increased to 999.
 cf05149 The CAE GUI Sequence manager not working
 cf05148 Sequence manager misbehaving
 cf05134 GUI Mesh manager Hybrid tab not respecting NONE
 cf05131 Initial CAE mode display quality was being set too coarse
 cf05130 Mesh Manager not echoing the meshing process
 cf05128 On-line help was looking up the wrong file
 cf04967 Graphing along a problem line of results was stopped by a hard code limit
 cf04966 Display of a results probe line was hanging CADfix
 cf04807 Fix to animation manager to allow ABAQUS style results