What's New in V77 ?

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Utils

- Tesselation
    - Add method to select computation method for surface tesselation (see void set_TesselateSurfaceMethod(int ival)) this method will be enable for spring surface. This method increase the surface discretisation and the mesh result is biggest. But in case of periodical surface (same as spring entity) the mesh is correct

Readers

- Acis
    - Added support for monolithic assembly
    - Fixed some cases of corrupts faces
    - Fixed the case of reversed curve
    - Improved info management
    - Fixed some versions errors
    - Fixed some cases of empty curves
    - Best support of sweep surface
    - Best support of law curve

- Catia V5
    - Added implementation of GetConnectorsPointingToThisComponent method.
    - Huge improvements of the Dtk_NodeConnector handling in PMI context.

- Inventor
    - Fixed binary errors with assemblies (File version 2010 SP3)
    - Fix some cases of untraceable directory
    - Fixed a binary problem (File version 2009 SP2 updated to 2012 SP1)
    - Fixed some bugs on Linux
    - Fixed a crash with part only in debug

- Solidedge
    - General improvement

- Solidworks
    - General improvement
    - Correct Instance Color
    - Added PMI visibility
    - Improved PMI construction
    - Fixed bugs on inventory of visible entities

- Step
    - AP242 schema updated to DIS state

- o Parser : improved protection for wrong file
- o Better separation of OCC parser
- o Improved reading of geometric links of FDT (to NodeConnector as well as FDT geom links)
- o Improved reading of FDT graphics : position, character sizes
- o Reading Datum Target as semantic FDT
- o Reading FDT graphics as tessellation (AP242)
- o Improved reading of 3D tessellation (normal vectors)
- o Control of split function by common configuration file
- o Improved reading without computation (parse mode 2), for loops of faces

- Unigraphics
  - o General improvement
  - o Correct NX85 reader.
  - o Added linked entity on PMI
  - o Added missing entities .
  - o Fixed ModelDisplay problem
  - o Fixed binary problem
  - o Fixed assembly problem
  - o Fixed metadata problem
  - o Reduce memory used by big model

- Jt
  - o Libra Support
  - o PMI connectors
  - o minor glitchs correction

- XmtReader (PSKERNEL based Parasolid Reader):
  - o General improvement

- ProEReader
  - o Color Managment : To control instance's color in assembly, now surface's color are on [Dtk_Face](#) and [Dtk_Surface](#), Default color of the model/part is on the geometric node Instances color are on the instance component
  - o PMI Datum Tag Process
  - o PMI Default Color at white
  - o General improvement

Writers

- Step
  - o Writing of geometric links of FDT : as NodeConnector (Part) as well as FDT geom links
  - o Writing of FDT in views (now uses the callout)
  - o Writing UCS validation property of FDT when defined
  - o Compact writing : now extended to rational NURBS
  - o Writing non parametric planar surfaces (without U or V direction)
  - o Fix in name of AP203E2 schema