CADfix

ITI
International TechneGroup

CADfix 11SP1 Data Exchange Fix Change Notes

Change Notes for CADfix 11SP1 as a brief summary of each fix arranged under their respective Problem report number(s):

7938	DBUG STUB F being used for large vertex edge gap test
9183	VAUT revamp needed
12953	FRGFIX STITCH not completing a stitch
14024	CADfix API: cficCalcFaceUVFromRay different on Linux than windows
14280	CATIA V6 Support
14394	Unable to fix narrow step for CREO
14634	Meshing test failure
14861	Div Cache Plotting Problems
15832	JT: how to document material and centre of gravity?
15991	DIVBAL could use a mechanism to stop divs being reduced
16023	Collapsed grid after transfer into Geoduck
16162	Mixed assemblies exported to V5. R25 broken?
16512	Join sliver faces problem
17235	CADfix for RH6.
17284	CADfix API cficGetNodeXYZ
17493	CADfix tolerances effects on repairing/preparing
17618	Incoming transfer SWAN-Job 9142943
18009	Chamfer not found
18029	Self intersecting surface
18047	CADfix For Solar technical implementation overview
18178	Midsurfacing failing to obtain vertex constraints
18281	Curved facet export
18387	CATIA V5 export very slow.
18767	WELD creates an extra unwanted body
18836	Frog splitting tool needed
18856	"." used as a separator in key paths
18934	Diagnostic edge problem has NO display
18938	Weld small gap leaves hundreds of points behind
18940	Weld small gaps inconsistent in finding similar welds
19002	Welding produces too many welds
19020	CADfix 10 SP2 Linux ./bin/runadmin does not work
19061	Weld small gap strange behaviour - too many bodies
19073	Prepare to V5 create deviation on torus
19085	New tool for Inverting Face definitions
19194	Fold in SWEPT mesh
19202	Bulge in TFI meshing
19212	Inverted pyramid element from hex
19231	About Flexnet 11.13.1.0 buffer overflow.
19258	Deletion of solar sources results the deletion of model geometry (SEMAPHORE ID INC000004509971)
19310	Understanding Auto-chaining functionality
19481	FROG splitting needs to be accessible from the GUI
19484	Opening Mesh Manager deletes Venus-TET imported mesh
19588	First delivery of trailing edge blocking tool (HFM)
19596	3D Printing comparison question
19605	FROG remeshing by re-parenting
19635	CADfixapi causes "Segmentation fault (core dumped)" on Linux
19645	Geoduck: Wizard failing with "No error information available"
19689	sub-frogs no longer displayed
19707	Newest CADfix OEM version
19727	CADIQ capability for Legacy data conversion
19733	CADfix read question
19757	FTART Mesh error from XLAMUFIXLOR
19776	A problem for cadfix api
19782	PLMXML version?
19807	Incident 7576, 7448 and 7549
19865	CADfix OEM version 10
19887	famtomarc sloth
19888	More CWI functions
19901	Silly Little Error 402 - "COMP ALL"
19913	New fillet removal makes NFA faces
19915	GUI Bug in problem fix
19917	Problem removing near 180deg fillet
19918	Bad fillet removal

19919	Fillet removal causes face with shared shape to become unembedded	
19920	Shape is not G0 continuous after fillet removal	
19922	Fillet fill-in faces are often unembedded	
19923	SUPP FILLET fails with no messages, nothing in FAIL set	
19925	Don't remove fillets when fillet angle is > 120 degrees?	
19926	Can't remove simple fillet	
19933	DEM Solutions: CAD Import Query	
19939	3d printing compatibility	
19947	CADfix crashing after opening this database and valid model check	
19955	3d printing compatibility	
19960	About import unit.	
19967	Windows Server 2012 R2 Hyper-V	
19972	CADfix update - JT	
19973	CADfix update - JT	
19985	ELTY command causes DBAN errors	
19996	Make TAU-GRID and QSM readers convert existing mesh to automatic	
20000	Database Arrays 150, 151, 152 and 153 are INCOMPLETE	
20007	Non-closed shell after removing a fillet face.	
20009	tocatiav5 test camembert has no units	
20013	Unexpected result when removing chamfers	
20014	Another fillet removal failure	
20016	Simple fillet remove failure	
20023	Another fillet removal failure	
20026	Another fillet removal failure	
20034	Cadfix 10 Sp2 support for CATIA v5 R25	
20042	Parasolid rejects valid NURBS line - why?	
20051	Error Report	
20053	Cadfix chains error on 10SP2.1	
20060	A Heap of Database Paging Errors and Error 402s Whilst Screen Picking.	
20063	CADfix point coords measure error	
20068	JT data	
20078	Bad BUILD Body set management	
20081	CADfix Crashes during Wizard Diagnostics for FROGs	
20082	Strange unnerving messages on batch import of CATpart	
20083	CADfix 11 cannot import CATIA CGR files	
20087	CADfix 11 Beta failing to export to MESH Nastran	
20095	C0 FROG Warning Message?	
20106	GUI Error from Diagnostic "Collapse zero-are facets"	
20108	CADfixdev crashes fixing zero-area facets	
20109	Display bottom d/b summary not updating for facetted surfaces	
20110	Crash trying to remove facet voids	
20112	Source label disappears when opening individual part on source list	
20123	JT data	
20126	Fixing faceted surface problems creates CAD geometry	
20129	Zero area facet fix CPU intensive, slow and ineffective	
20134	Remove low facet count creates 4 extra faceted surfaces	
20135	CRASH when you run diagnostic check on this model	
20136	After fixing invalid facets the zero area problems go away	
20147	GUI error when trying to remove Voids	
20187	cwc file not read in for JT tests	
20206	Old Parasolid file read into CF8.1 but not since	
20208	CSTR CHAIN to accept angular tolerance argument	
20212	Missing callback dvapp causes database corruptions	
20231	SETA ... TYPE SH ANA	
20241	Default tolerance for Repair	
20244	famtoabaqus Infinite Loop and Filling Disk Up.	
20246	GUI error selecting "Split faces with a surface"	
20247	some famtoabaqus tests taking too long and being killed off by timeout	
20256	Unable to import NX parts	
20264	Selection of FROG nodes for collapse is reluctant	
20271	CADfix 11 Beta Export to ICMS giving errors	
20282	Torus analytic face transform to opposite during CADfix prepare	
20293	Problem writing large model coords to .dat format	
20301	Linux licence problems at Imperial	
20304	Facet Intersect gives error	
20309	CADfix 11 needs update to supported DXF/DWG versions	
20314	Cannot cut the body by surface.	
20317	CADfix Calibration for Part Name?	
20321	About user-defined program	

20328	Closed NURBS surface cannot be fixed and does not shade properly
20331	CADfix1100fcs CAE product is not starting in CAE but in DX mode
20332	CADfix installation
20339	Issues of customer computer
20344	Issues of customer computer
20356	Cut down EMC key for EMA still needs MESHING option in CF10SP2
20382	Chamfer tool cannot remove face
20385	Stitching of discontinuous STL
20406	More permanent status for open shell body
20411	CADfix text for bodies in contact
20430	CFI Installer confusing options
20433	Programming environment versions
20438	Sample Geometry integrity
20446	Join sliver faces finds, fails and never finds again
20449	CADfixdev topara body no longer valid for Parasolid
20453	Hole Removal Still Far too Slow
20458	Split faces with shape does not like non-planar shapes
20474	License server module of CADfix 11.
20476	CADfix 11 FSC prepare and export to CREO3 mass props broken
20482	Remove internal bodies fails
20486	Faceted cylinders in Moldflow
20493	CADfix11FSC Cannot run tet mesh on Linux - no mg-tetra
20507	DVAPPs not recognised by CFI_GET_DIVISION_APP_DEFN
20513	Download page tab logo wrong
20514	CADfix11 license
20521	Propeller CADfixing
20523	"Allow non-watertight facets" of STL export.
20524	Words that are not registered in the dictionary file
20532	New Licence Key for CADFIX 11DX
20535	CADfix 11 release makefile / linker changes
20538	Converted body to cylinder is not stitched
20544	Wrong syntax for FROG command causes refit failure
20545	IMR Poster
20548	Cannot merge points
20579	CADfix 11 release announcement
20583	Facet segment display gone in cadfixdev
20589	VR capability
20630	BBDI attribute wrong on face with underlying torus
20644	Solar auxiliary data (zoning, sources) import bug
20645	Problems with new CADfix 11 Licence
20650	video to promote/demonstrate the defeaturing
20651	Regression of Solar import post-processing
20668	Assign the glow select(add neighbours) function to the key.
20679	Command of the shortcut key
20682	Error in importing a geometry
20688	BSIM command stuck in infinite loop
20694	DEL MESH ALL - does not clean up manual mesh properly
20699	New core command to create a cylinder given 2 axis points and radius
20708	Feature Request: Full CATIA Names
20710	Regression of Solar import post-processing
20720	Centring on self-blends lands you at the origin
20722	Problems shortcut key
20723	Split of seamless toroid face and its inverted
20729	Fillet removal gets it totally wrong
20733	CADfix Completely Broken
20736	PRNT Command - Can't print a mesh with >99,999,999 nodes in it
20755	Windows 10 App Compatibility
20768	CADfix in an optimization
20780	NURBS edges with high knot-multiplicities
20783	Error 402: SIZE unreasonable: Error expanding invalid XYZ flags, Whilst REPping
20789	Drawing Frog Normals
20795	Export points coordinate.
20796	Defeature_No1
20797	Defeature_No2.
20819	Abnormal edge.
20824	"PROC MGEN DELM D3 AUTO" not working in CADfix 11 FSC
20831	TAU Callisto coupling - moving forward
20841	startCADfix.bat does not work in CADfix 11
20842	Holes in mesher

20846	Bug Reports in CADfix 11
20849	Creating a morphed model from STLs
20859	Replacement CADfix licence
20860	Activate licensing triad for CADfix
20865	Intersection STL.
20877	Cannot export STL
20900	Export of STL bears NO relation to settings of GUI and Preview
20915	JTSP updated files cannot be read
20920	PLOC FSIZ not being respected when faceting surfs
20938	Unable to exchange to SolidWorks
20952	Problem with p-curves on spiral face.
20990	CADfix and Proficiency
20991	CADfix and Proficiency
20996	Prepare step creates a wavy edge
20999	.Famlimits not able to be written
21008	Bad fillet removal
21012	Weld - V-shaped welds get rejected because of small variations (see bug comments)
21030	Create JT of Multiple Features
21032	NX import create empty model
21036	Import of NX model gives bad NURBS
21041	NX import create empty model
21054	Bad fillet removal
21056	simple fillet removal fails but leaves NFA faces, non-closed shell
21059	another fillet fail
21060	fillet removal should fail but makes a mess
21082	CADfix 11 licence file for PR 103731
21094	Error 402: NSMOPA: Point on seam?
21099	cadfix api calls not working
21109	Tartan results on FE cells
21111	Tartan results on FE cells
21112	CADfix export to Centaur problem
21136	CADfix running in batch license
21137	CADfix running in batch for local modification
21143	the GUI defaulting to importing. stl files as BREPs?
21147	Duplicate faces association to zone
21166	Question from Fujitsu (BEM file not created)
21188	WARNING: *** Alt in remedial-zone
21199	2nd CADfix Problem
21212	Partial MO3 - small performance improvement
21216	CADfix error using EDEM
21228	CADfix 11 import CATIA v5
21232	The shape breaks with Join body.
21242	Folded Bezier triangles in C1 frogs due to cone degeneracy
21245	Small edges are created, joining failed
21246	Small edges are created, joining failed
21288	XRF1 with Joined Faces Crashes in DIVSTORE
21304	Cannot convert it to a box.
21305	Error number 902 and 26
21308	Wizard run causes GUI bug - In preparation for demo
21310	CADfix - issue
21325	Defeaturing chocolate bar geometry
21351	Error number 902 and 26
21374	NX11 support
21377	Fillet caps
21378	CRASH in SUPP FILLET
21380	Another SUPP FILLET crash
21381	SUPP FILLET in continuous loop?
21421	Weird SETA FILLET bug
21426	Alpha WRAP behaving badly in 1100dev. Octree wrap worked fine
21427	Syntax Definition Error
21432	partial collapse faces fix
21441	Data posting instructions
21442	SETA XASGD adds parts in sets with that assignment
21448	3D copy/move in CADfix10
21450	CADfix using advance script
21465	GUI Goes into "Infinite Loop" When Clicking the "WIPE -1" Button on an Empty Picture.
21483	CADfix 11 crashes when using some TK tools
21488	Fillet Picking Broken (GTTGROW etc.)
21498	Need radius information from SSIM REVAXIS

21501	Create STL problem
21505	NEW RFQ Q7-3404 MHI
21505	NEW RFQ Q7-3404 MHI
21529	FW: CADfix support for NX 11
21536	Adding mesh interface to CADfix
21549	BAE Systems Support required for "mtwink"
21564	WRAP Alpha crashes CADfix
21580	Access to JOIN FACES
21592	Fillet removal is unpredictable and unreliable
21592	Fillet removal is unpredictable and unreliable
21610	Demo Step
21624	Proficiency Integration issue/question
21625	Identify REVAXIS sweep angle
21641	Cannot read in NX part model
21642	Cannot read in NX part model
21652	CADfix 11 crash/issue when loading fbm with mesh
21663	FROG Hole fix breaks model
21677	Identification of REVAXIS faces
21679	Alpha shrink wrapper DVAPP controls
21681	PPS tool is not laying down a mark for UNDO
21685	PPS GUI error when trying to manually tidy up assembly tree
21686	PPS- Assembly causes error during simplification
21692	Mta 092 - Deform edge when importing from CATIA
21693	Problem with creating concatenated cloud frogs
21697	Mid surf command crashes on this helix-on-cyl model
21701	PPS simplification removes the largest component
21709	Moving a combination of translations and rotations
21722	Silent GLSPLT could be useful
21723	CADfix for Solar - Unable to create triangle sources -- model-specific
21726	Exported DWG files are larger than their original
21732	Internal feature removal
21743	Explode an assembly without having to pick
21744	Model will not shade following PPS simplification.
21745	PPS simplification causes inappropriately large parts
21746	SSIM S REVAXIS has regressed
21747	Cannot remove fillets
21754	PPS simplification results depend on assy being exploded
21755	Items in the PPS Keep List cannot be removed
21769	Rename in script
21789	PROXIMITY DVAP in new meshing suspect
21799	Running Mesh regression test interactively causes CRASH
21802	Shrink wrapper not working on Windows
21819	Why are FROGS test exploding
21822	Options pick boxes getting confused
21826	STL import fails with Japanese 2byte or half character solid name
21826	STL import fails with Japanese 2byte or half character solid name
21829	STL export speed is slow.
21834	Removing degenerated elements & Cadfix User Guide Manual
21835	Removing degenerated elements & CADfix User Guide Manual
21836	About node coordinates of CADfix
21837	About node coordinates of CADfix
21841	Memory Violations in Fold Checking
21846	Internal Detail removal: Progress message not changing
21847	Help page has error
21858	Simple CWI batch process gives different result from interactive
21867	Reading points into a geometry line
21869	2D IGES Manipulation script
21882	SC03 face-plane fix not being implemented by Prepare
21895	FRGFIX ZA leaking surfaces and causing corruption
21906	WRAP ALPHA crashes
21907	Diagnostic 'Overlapping bodies' need Boolean unite adding as repair option
21929	Minimum number of edges making up the face
21948	CADfix issue
21967	Shrink wrap Octree produces nothing
21996	CADfix 11 SP1 not highlighting holes found
22000	CADfix - Question - Application - Model Cleaning
22008	Mesh Manager deleting sets?
22009	CADfix format conversion issue (from solar .dat to iges CATIA)
22033	Fix intersecting facet crashes CADfix

22043	CADISON - GUI translation error/suggestion
22054	About Creo Elements Direct Modelling.
22076	Decimated surfaces do not show in GUI FROG list
22083	Nidec's benchmark model-2.
22103	Question about Degenerate surface corners
22105	Question about Degenerate surface corners
22140	Something wrong with flip flags in frog faceting
22151	CADfix batch issue at customer on a server machine
22152	CADfix batch issue at customer on a server machine
22155	CADfix Windows 10 query
22204	Box simplification finding similar parts causes error
22266	ARC Line Test and Assemblies