CADfix 12 Data Exchange Fix Change Notes

Change Notes for CADfix 12 as a brief summary of each fix arranged under their respective Problem report number(s):

5443	DVAPPS RATMAX only works per line
9515	Add PLOT/PLUS FLITE
9656	Model fails to export to PRC
12583	GUI error selecting 'Materials and Properties' in Model tree
14429	Invalid flite source radius values imported - need to be trapped on import
15451	PN frog generation: folded facets
15553	Bad C1 frog generation due to NURBS parametric distortion (?)
16472	Entity tree needs to be cleared before opening model
16513	3D connectivity legend
17303	New style C1 triangles need implementing
17436	Wizard prep crashes CADfix
17766	BSIM too dependant on GTOL
17801	Model tree doesn't display nominal (manual) lines
17806	Line.createByInterpolation doesn't support degree 1
17807	Requested for OOCFI: Line.createByApprox
17809	ORIENT should be available through OOCFI
17813	CFI/OOCFI should expose SETA XASGD
17816	Split body by surface not exposed through CFI/OOCFI
17817	Sweeping of faces into bodies not in CFI/OOCFI
17839	SSIM REVAXIS needs BODY clause
18428	SCURVE divapp does not affect small faces, regardless of their curvature
18430	STURN divapp places division far too densely
18515	Display of knot multiplicities not working
18930	Create/edit point on surface fails to pick
19288	JT-Qualification Daimler
19308	Regression in use of BSIM GROUP
19320	Incident 7448: mg-hybrid and symmetry planes
19408	Reading our example Tau mesh file crashes CADfix
19740	Loading .obj model crashes famfromstl
19778	Can't identify the parent FROG from a sub FROG
19810	FRGFIX TOPO corrupts database
19817	Generate Wireframe frog from BREP lines
19882	Nodes lost after nodes are merged during MESH MANUAL MATCH
19930	Simpler fillet fails
20040	Prep for export introduces classic twisted NURBS
20041	Prep for export regression
20158	Basic selection picking phantom facet surfaces
20265	Cannot select a single facet to extract
20272	Windows 10 flat default GUI colour issue
20460	Self-intersecting loops fix not tidying up
20693	Strange BSIM result
20697	SSIM REVAXIS not including spheres
20724	Anonymous Entities Leaked from BSPL
20825	Seamless face fix moves toroid axis point far apart
20829	GUI Error from Mesh manager
20848	Build move/copy GUI not consistent
21065	BSIM INDIVIDUAL BOX fails but BSIM GROUP BOX succeeds
21110	CADFix export to Centaur problem
21240	FRGFIX INTERSECT throws error
21316	Syntax issue when identifying APPLE/LEMON torus shapes
21379	Bad chamfer removal
21405	WIRE FROG read from FBD corrupts database if NURBS also created
21491	SUPP does nothing
21505	NEW RFQ Q7-3404 MHI
21649	Questionable FROG parent property
21660	Fillet removal crashes CADfixdev
21670	Missing Geometry, and a Large ZigZag in extrusion_fillet's MO.
21840	binary stl export or import broken for dense frogs
21852	2D IGES Manual repair does not find "short edges"
21857	BATCH CWC operations for saving database not working
22015	Strange FLITE divapp result in CADfix DEV
22055	Error 402: Database address is excessive
22139	STURN divapp putting extremely dense divisions on large radius of curvature face

22347	Cloud normal calculation errors if normal property already present
22454	Folded face
22528	FACPAR hangs for this model
22619	Improve the CADfix 3D Differ tool
22666	Can't get smooth contours on the FROG FACRV display
22709	Zone replacement is slow
22723	Open source details pane needed on about tab
22726	DIV .. RULE needs line wrap in SEND FB
22727	SEND FB writes SAG CUBIC divapp which isn't valid syntax
22888	LSIM deforming to infinity
22904	SSIM deformation failure
22938	Mesh command giving Error 402's
23021	Crash during shade
23058	Fehlermeldung CADfix
23117	BSIM not creating correct CSYS coordinate
23132	Add syntax to read in VRTPAR and BODPAR properties
23201	Finite Contact Edge in sld1013 Now Broken
23204	FACPAR failures when GUI is used
23266	3 Medial Shapes Missing in suitcase_corner
23308	Laplacian smoothing
23319	Propositions CADfix pour conversion et simplification CAO
23332	Close the gap of the single body
23345	Montée de version CATIA et CADDS
23368	Matching combined lines
23379	Better line matching in FACPAR
23384	FIL command crashes CADfix
23410	Improve of STL algorithm
23414	GUI error "unrecognised PROC setting"
23458	Line matching saw toothing detection
23527	DEL LI ALL only deletes 1 light at a time
23536	CADfix install error.(Error Code: -5006 : 0x80070003)
23542	Argument Mismatch
23562	Could do with implementing a 2D convex hull algorithm
23610	Box selection is offset from cursor position
23628	MESH HE8 bug
23649	CATIA V5 Assembly Import misplaced parts
23653	CADfix v11SP2: Issue with STL-Export
23658	Frog param arap fails
23678	Crash in ZA code
23684	Diagnostic RT click menu "Activate all" not working
23686	"Trim unused surface patches" gives GUI error
23687	GUI error from Diagnostics "Narrow faces" fix
23688	GUI Error from "High aspect ratio faces/regions" fix
23689	Plotting VRTPAR with fpl
23694	Finding the largest encompassing loop from a set of lines
23700	PRUNE needs option to prune to entities and TYBOU/MAN/CMB
23735	CADfix v11SP2: Issue with STL-Export and Import
23743	CADfix Error when importing CATIA V5 product file
23745	FTART meshes more than its asked to!
23749	Point clouds alignment implementations
23795	About BDF and OBJ
23801	GUI removes combined line from a face
23812	Minimize CADfix during use of morph panel hangs program
23816	Cadfix 11 SP2 Export sources problem
23831	FAMtobem not working with CADfix 11 SP2
23840	GUI error from quick fix Face edit tool
23903	Cannot open SolidWorks 2016 assembly
23955	SETA <set> STIT L <tol> giving dubious results
23966	Cannot remove hole from the SELE set with CNTL key
23971	Joining or Boolean
23972	V5 export error messages
23973	Mesh of a body is very slow.
23981	GUI error from T-junction fix
23983	Intersection point tool refusing to make legitimate split
23988	Joining or Boolean
23989	READNASTRAN tests failing - no bodies made
24013	Cannot export internal frog edges
24020	Face selection in GUI seems to be selecting everything
24027	Cannot import Parasolid into CADfix11SP2

24043	Failure to calculate FACPAR when unrelated geometry present in model
24053	Meshing of wake blocks via MG-HYBRID broken at 11SP1
24060	Filename being dropped in export to V5
24068	LSIM not deforming line of vane
24071	Can't use higher line thickness when domain is in picture list
24074	Error 402 from EXAMDL in Set Manager Start Up
24099	Failures in cloud alignment tests
24104	EDGPAR calculations incorrect for last edge facet after line end point
24106	Remove restrictions on Copying/Adding/Subtracting frog properties based on property type
24108	CADISON ES BUG - ITF Ticket#2017112310000136
24127	Provide API equivalents for cexProcess
24132	Add edge scratches into FACPAR matching and set EDGPAR where poss
24133	Update the SSIM to take in whole model frogs
24155	During Auto sourcing the display update is not working
24161	Changing/moving mixed Solar sets is buggy
24163	Export deletes last source created
24175	BOUND of a FROG with EDGPAR REUSE is adding partially matched lines
24184	LSIM cannot deform closed curves
24185	Material assignment shifts in SP2
24188	Remove FROGS of less than 2 facets by batch
24199	Mesh culling clipping plane GUI tool only uses REP 1 rather than REP ALL
24228	Imported CADfix DWG has strange artefact
24231	Where CADfix creates temporary files
24255	CADfixdev cannot open this .fbm
24270	Contrasting results on quality use between batch and interactive
24300	LSIM code need to deal with double(d) points along frog edges
24324	Reworking frglink to deal with edges being created before frgend
24360	HFM shape cleaning
24371	ACIS export units wrong
24427	Multiple assignment in vglEvents.fig
24428	ALPHA WRAP syntax errors
24451	Results review - DWG assembly export wrong
24464	Crash in FROG GENE INV VOID
24468	Anomalies in FA-EM between cwi and interactive
24474	Badly oriented inner loop(s) not detected by NFA test
24475	FROG_COPY isn't very safe
24489	What to do about PARAM PROJ
24491	New symbol for frog property on entity
24511	FA-TRM numbers differ in CWI tool
24545	CU-SIM/CU-RAT interactive results do not tie up with CWI output
24561	How to get mid-surfaces from a body in CADfix
24562	Update PARAM PROJ so that it handles subfrogs properly
24563	Unspecified error when importing Zones .CATPart
24577	FROG_LOAD Called from FRGFIX_REMESH_CVT_ACT with Wrong Number of Arguments
24596	SYMA FGTY has broken syntax
24597	FA-XTN undersized surfaces confusion in CWI tool
24602	About remove fillets
24628	Failure to generate pcurves on customer model
24660	Control over pyramid apex height
24676	Error when listing bodies with no colour
24732	CADfix support for Creo files
24738	Updated HFM licence file
24743	CADfix support for Creo files
24752	FRGFIX top level save
24761	GUI Noise on Terminal - "nologic picktype ITNODE"
24776	Add smoothing of chains of vertices in frogs
24804	Can remove but cannot find these fillets
24808	Frog stitch failed
24814	Loading in entire parent when loading in a subfrog
24829	Surface Translation Problem
24832	Cubes
24840	Edit PLOC FROG SHRI to work for the FPL code
24888	Investigate memset in subfrog flatten
24917	SETR FROG FGES not consistent
24946	Problème d'export JT avec CADfix 11SP2
24948	New SUBS syntax has a problem reading a string
24965	SUBFROG GENE needs an invalid vrtpar version
24984	Flexnet w10
25009	Error importing parts into Geoduck

25043	Cannot see "Tri mesh smoothing iterations" control on Linux
25079	Problem CADFIX license sever in Batch mode
25099	Remove feature using Perpendicular Edges unpredictable
25101	Failed to repair model
25102	Join faces
25105	Extending FROG PROP INTERP PROJ for point clouds
25107	How to join a series of edges into a single bspline
25114	Creating NURBS from FROGS
25116	Join body problem
25122	Flexnet installation on Windows server 2016
25127	Speed up FROG PROP INTERP RADBASIS
25143	CADfix 11 SP2.0 - Reverse zoom direction
25147	Batch Processing Failure
25149	CADfix refitting ALL faces when asked for one
25154	Transparency in CADfix from Creo import to JT export
25175	Optimised FROG property interpolation via the radial basis function breaks for flat regions
25177	GUI error from valid model check with 3DS as target
25179	Defeature remove fillets destroys model
25186	CADfixdev and CADfix11SP2 breaks a model OK in CADfix10SP2
25195	Cannot open STEP file
25196	FLITE source to metric tensor conversion doesn't look right
25198	Make a spatial index wrapper for quicker SURCAP_LSET calls
25220	CADfix for Efield - Hybrid meshing
25247	CADfix for Efield - Hybrid meshing
25266	Problem reading STEP file into Geoduck
25283	Transposition of material and physical properties on CADfix 11 SP2
25321	Can't import SOLAR .dat file with long header line
25362	Add analytics to the nus_spatial
25375	Crash during MERGE S EQSH MERGESH
25387	FROG and STL export interfering
25397	Problem switching colours in Picture List Contents
25453	Extend READ CGNS to import only "wall" type SKIN mesh
25479	Quick Question about Warnings
25489	Zone carpet pick allows a face to be in more than one zone
25493	Need a FRAM SIZEBOX option
25498	GATLIN Error 402 on Degenerate Line Length
25508	NUS_SPATIAL duplicate spheres in the cover tree
25601	Problems with CADfix 11 on Windows10 Redstone update
25617	Parasolid export shows errors in the progress monitor
25636	MERGE S .. changes embedding even though faces are not merged
25649	CG17.0 CAD support
25669	VGL Lighting Bug
25832	About Set browser
25954	Error 402 leads to bad fix of sloppy singularity
25968	Error information during import of SolidWorks Model
25982	Possible to lock up 3D viewer by pressing escape at wrong time
26002	About the chain function