FloTHERM™ Release Notes

Software Version fth10.0

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Corrected Problems

Problems Fixed in FloTherm fth10.0

This section describes problems fixed for the FloTherm fth10.0 release.

Documentation

- **dts0100900910** Maximum temperature of a collapsed cuboid on a surface of a cuboid looks lower than the maximum temperature of the cuboid.
- **dts0100931444** batch command "-c" does not use the parallel solver
- **dts0101002777** Error message: Unable to execute interface program EDAItoFloEDA2.exe

Drawing Board

- **dts0100878253** Time to display this specific geometry in the Drawing Board
- **dts0100881310** Grid disappears with save as (no results)
- **dts0100930662** Measure issue in V9.3

EDA

- **dts0100878031** This specific FloEDA file does not open as desired in the FloEDA window
- **dts0100887121** library item (saved by the user) cannot be imported when using the FloEDA library import
- **dts0100887680** Emissivity modification (from 0.9 to 0.1) for PCB is not take account for the model which is transferred from FloEDA Bridge
- **dts0100946382** Heat sinks with notes cannot be used in FloEDA Bridge in some circumstances
- **dts0100951898** .floeda export error in Allegro
- **dts0100999943** FloEDA crashes when trying to import IDF files.

Exchange Factor

- **dts0100894817** The thermal radiation solver crashes on this specific project

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MCAD

- **dts0100928531** The model built by Solidwork version 2012 cannot be directly imported into FloMCAD Bridge v9.3.
- **dts0100968734** The graphics Faceting Level on FloMCAD Bridge v9.3 doesn’t work.

Project Manager

- **dts0100889218** FloTHERM & FloVENT don't allow saving project as a template with "-" or "." in the project name
- **dts0100913187** FloTHERM pops up "Handle is invalid" with remote desktop
- **dts0100917412** Sie SmartPart issue
- **dts0100941547** The results change between Assembly ignored vs Assembly deleted.
- **dts0100968185** Warning produced when 2D resistance is rotated via Location/Rotate
- **dts0100975657** PCB and compact components order affect the predicted temperature.
- **dts0100994216** Project Manager seems to hang when dragging an object to the top node of the Libraries

Solver

- **dts0100728016** No increased in performance for parallel solver v single solver for this model
- **dts0100774080** Reference temperature for linear/non-linear collapsed sources always calculated on the side the attribute is applied to.
- **dts0100851074** Monitor point Convergence for Temperature not working properly in transient simulation for this model
- **dts0100857173** Heat pipe smart part touching a Compact Component (2R) SmartPart does NOT conduct heat through network cuboids.
- **dts0100887199** Solve time per iteration becomes about 3 times longer for the same grid count when heat pipes are present
- **dts0100905955** Project solves with no solution. Solver crashes after running a few iterations
- **dts0100919065** Customer can't run double precision solver
- **dts0100926329** De-keypointed object and radiation issue

- **dts0100942816** FloTHERM failed to predict part of the thermal transient function
- **dts0100945788** Fan curve represented in Smartpart after modify curve with local minima is not what FloTHERM uses when solving
- **dts0100945956** fvparasolver error message on Linux OS for FloTHERM product usage
- **dts0100948721** One can't define the number of cores to use in batch mode. FLO_NUMBER_THREADS doesn't work at all
- **dts0100966226** Problems solving certain project - MKL ERROR: Parameter 4 was incorrect on entry to DGESV
- **dts0100967087** Exchange / View factor files larger than 4GB cannot be read - E/08071 Error in opening EFG file
- **dts0100970404** Logic error exception - due to gridding for this model
- **dts0100972081** Solar radiation producing strange results.
- **dts0100983389** Issue about Rsurf-solid of Prism sloping face
- **dts0100984144** Scenario 1 is differs incorrectly compared to the base case for this model

Visual editor

- **dts0100924088** Visualisation shows particle flow inconsistent with flow in plane
- **dts0100954447** Failed to output in JPEG format of VisEd animation
- **dts0101005472** Particles not displayed on this 2D model

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