Grid*Pro* v6.5 SP1

NEW IN Grid*Pro* v6.5 SP1:

Grid*Pro* v6.5 Service Pack 1 (SP1) is mainly a bug fixed version with few new features and enhancements.

List of new features:

1. Topology can be split into valid pieces using the given surface group.
2. Existing property file can be removed if it's already exist in the working directory while running Ggrid.
3. Tutorials which explain the functions such as periodic topology, mirror grid, Nesting, Rotate→Faces are added to the Grid*Pro*/doc/WS/Tutorials/Medium folder.
4. Document which explains different topology strategies that can be followed for any given geometry is added to Grid*Pro*/doc/WS/Tutorials/Medium folder. It also deals with the characteristics of each strategy with images.
5. New document called FAQ's is added to Grid*Pro*/doc/WS/ folder and it can be accessible from UI, 'Help→FAQ's(PDF)'.
6. New Videos are added to our Youtube channel, "Grid*Pro* Meshing".

List of functions whose capabilities are improved/modified:

1. Fonts of the text in the GUI are optimized for better visualization.
2. Log file will be written only in the working directory for a session.
3. Undo/Redo is a single step operation for Holes.
4. Workplane will resize according to the geometry dimension instead of default 1*1 units.
5. Normal evaluation for hole topology is optimized.
6. Backup group/Retrieve previous corner group button can also retrieve the corners after internal wrap and Heal.
7. Tube surface creation tool is enhanced to accommodate sharp turns in the surface.
8. Internal surface pops out a warning message if the file name is not provided.
9. Edit grid schedule dialog box will pop up only one confirmation dialog box for overwriting instead of 3.
10. CFD++ converter is optimized.

11. Status bar messages are updated for various scenarios like wrong user input, tool failure, etc.,

12. Message displayed by Help button in the UI is updated.

13. Ptymap files for az and ws are modified such that the mapping between two UI's are the same.

Bug fixes:

1. Fixed crash while deleting the entire topology using Delete→Topology→All.

2. Fixed bug in Load→Template where it does not load if only corner or surface groups are used.

3. Fixed crash while checking feature angle of a 2D surface.

4. Fixed crash while inserting blocks on a block inside a block topology structure using Right click→ Insert-Block.

5. Fixed crash while inserting blocks/sheets on a periodic topology.

6. Fixed bug in Wrap→Internal Faces where it takes longer time to execute the function.

7. Fixed crash while converting a periodic topology to regular topology after an internal wrap or Heal.

8. Fixed bug in Internal wrap where it changes the orientation of the internal surface.

9. Fixed bug in Holes topology where it does not retain the surface assignments if the operation is executed on the same surface twice.

10. Fixed bug in periodic to regular where it does not convert for few specific cases.

11. Fixed bug in density where it does not retain after rotate, mirror, merge and enrich.

12. Fixed bug in Internal surface where it loads a sphere if the file name is not provided.

13. Fixed bug in gridden where it does not update the densities while running the Ggrid.

14. Fixed bug in gridden where it resets all the edge densities to 8.

15. Fixed bug in gridden where it changes the density to half density.

16. Fixed crash while internal wrapping an external face topology sheet using Wrap→Internal Faces.

17. Fixed crash while loading a grid file whose block count does not match with the pty file.

18. Fixed bug in Properties and Solver sections where it does not sync with each other for few scenarios.

19. Fixed bug in Export→Vulcan→Merged format where it fails to export when the path has white space.
20. Fixed crash while working on the UI with surfaces or topology loaded from multiple directories.
21. Fixed UI crash while giving wrong input for any operation.
22. Fixed bug in LINUX platforms where the UI does not open due to updated X server.
23. Fixed bug in license manager where it fails to use the user-specific port number.
24. Fixed bug in license manager where it fails to run it as a service in Windows OS.