

GridPro v8.1

List of new features:

1. Automatic topology generation for half or quarter holes (<360 degree sector of a hole) provided that the holes are circular in nature.
2. Faces can be extruded along the given chain of corners, curve or a surface and scaled based on the given geometry's cross sectional radius.
3. Automatically split the 2D linear surfaces using the split button.
4. A Graphics interface is implemented for the license manager to start/stop.
5. Corner group selection button is implemented in the Selection Pane GL widget to ease the workflow of grouping.
6. Face group selection button is implemented in the Selection Pane GL widget which will list all the possible face groups in the existing topology.
7. All the external faces are displayed with a small blue coloured faces (shrunk faces) similar to Shrunk blocks.
8. All the assigned faces are displayed with a small white coloured faces (shrunk faces).
9. All the error faces are displayed with a small red coloured faces (shrunk faces).
10. All the singular faces are displayed with a different coloured face (shrunk face) for each of the singularity.
11. Grid blocks can only be displayed on the current grid sheet to create the cross sectional grid sheet easily without much clutter.
12. Convert any grid to periodic with the command line utility provided the two boundary sheets have the same block pattern and number of cells.
13. Pick center of rotation by double clicking on any object in the GL.
14. Support for OHmuga & OBJ file format.

List of functions whose capabilities are improved/modified:

1. Surface Selection button is moved from Global Dock to the Selection Pane GL widget.
2. The shortcut key for the face exclusion is changed from 'F' to 'X'.
3. Similar to Face exclusion Blocks can also be excluded using 'X' key.
4. Undo/Redo execution speed is improved.
5. Multi-Insert execution speed is improved

6. Extrude functionality is enhanced by improving the speed of the centerline calculation.
7. Revolve functionality is enhanced by improving the speed of the copy and rotate.
8. Validity check is improved by adding more conditions.
9. Output file name is displayed for Clustering utility.

Bug Fixes:

1. Fixed all the dialog box issue wherever it is collapsed.
2. Fixed all the layout issues wherever the input boxes are not visible fully.
3. Fixed a crash while creating a new workspace after a Load Topology operation.
4. Fixed an issue with Fill where the dialog box collapses once the selection buttons are switched ON.
5. Fixed a crash for a specific scenario in Macro.
6. Fixed a crash when the dimension is changed in Macro.
7. Fixed a crash in Wrap when it is executed on a periodic topology.
8. Fixed a bug in Reload where it closes the dialog box if it is executed second time.
9. Fixed a crash while undoing the rotation of 2D surfaces in 3D workspace.
10. Fixed a crash while executing Enrich on certain cases.
11. Fixed a bug in Merge where the densities are reset after execution.
12. Fixed a bug in Periodic where the topology pairs the wrong corners which results in folded grid.
13. Fixed a bug in Extrude where the output orientation is modified for certain copies.
14. Fixed a bug in Generic where it lists the face groups wrongly.
15. Fixed a bug in Holes where it creates an extra surface for one sided.
16. Fixed a bug in Intersection where it fails to output on certain cases.
17. Fixed a bug in Controlnet Surface where it fails to retain the output file name.
18. Fixed a crash while loading the output surface from Controlnet Surface.
19. Fixed a bug in Convert Wireframe to Surface where the dialog box keeps popping up after execution.
20. Fixed workflow issues in Trim where the button is persistent but the functionality is not.
21. Fixed a crash while loading the wireframe for a given grid sheet.
22. Fixed a bug in License manager where it fails to release the license if the terminal is closed.