

GridPro v5.7

NEW IN GridPro v5.7:

Bug fixes:

1. Port mapping for license manager is fixed.

NEW IN GridPro v5.6:

List of revised features:

1. Tube utility can handle the points that are coincident.
2. Nesting can be executed on a group of corners of an existing topology.
3. Support for SU2 solver format from the GUI.

Bug fixes:

1. In moving topology and surfaces to another directory.

NEW IN GridPro v5.5.1:

List of new features:

1. Convert a 2D grid into a 3D grid.
2. Assign 2D property to a label.
3. Change the orientation of a particular block.
4. OpenFOAM solver format works for Windows OS too.
5. Support for OpenFOAM solver format from the GUI.
6. New properties for PDC format.

Bug fixes:

1. In saving a grid to PDC format.

NEW IN GridPro v5.5:

GridPro v5.5 has a wide range of new features compared to GridPro v5.1 and some bug fixes. The new features and the bug fixes are listed below:

List of new features:

Each of the new features is built as a command line utility. Some of them have been integrated into the GUI.

1. Convert an ascii format grid to binary format and vice versa.
2. Automatically solve mediumly and very severe singularity.
3. Topology level solving of the mildly severe singularity.
4. Close the ends of a tube.
5. Duplication the given topology to desired locations.
6. Disjoint topologies can be run from the UI to generate a single grid. e.g: Stator and Rotor.
7. Compact enrichment of blocks by just choosing an edge or a point.
8. Capturing features using topology points to assist in building internal surfaces accurately.
9. Creation of curves from the given topology.
10. Convert a hex grid and multi block grid into a multi block grid composed of minimum number of elementary blocks.
11. Internal wrap creation from a selected sheet.
12. Labeling the grouped corners, faces, blocks and surfaces.
13. Control the off-wall spacing from specified surfaces.
14. Move the used surfaces and the topology of a given file to a different directory.
15. Create a complete topology from a given periodic topology.
16. Refine the triangulation of the –tria surfaces.
17. Reverse Nesting of topology. E.g. Coarsening of topology when expanding to the far field in a typical external flow case.
18. Offsetting corners to a given distance.
19. Rotate topology based on the given angle of rotation, no. of instances, rotational axis, center and pitch distance.
20. Smoothing a tube file.
21. Splitting of topology based on the input surfaces.
22. Transform or rotate the given surface, topology or both.
23. Convert a tube file to a tria file.
24. New Solver formats supported – OpenFOAM*, CFL3D, NSU3D, PLOT3D and CGNS elementary block.
25. NEST utility integrated with the existing topology.

*OpenFOAM – supported only in Linux and MAC platforms.

Bug fixes:

1. Project the block edges to the corresponding surfaces.
2. New tool is added to solve incomplete molecule.
3. AZ writes all the connectivity and the property file when saved to PDC format.