Release Notes
Grid*Pro* v6.2

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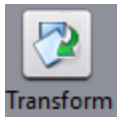
Transform

PURPOSE: Surfaces can also be transformed using a matrix.

How to use :

1. Make the surface to be transformed as CURRENT.
2. Click on the Transform button
3. Enable the ‘Matrix form’ check box.
4. Enter the matrix elements and click ‘Apply’.



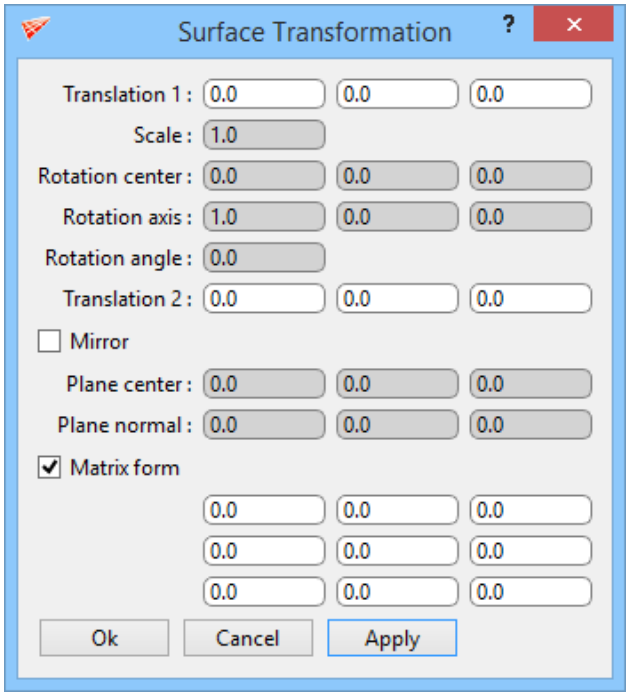


Figure 7: Transform button and Surface transform dialog box

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Repair 2D surface

PURPOSE: Overlapping points/collapsed points in a 2D surfaces can be repaired.

How to use :

1. Select ‘Repair 2d surface’ from the ‘Surface Tools’ menu.
2. Enter the necessary inputs and click ‘Apply’.

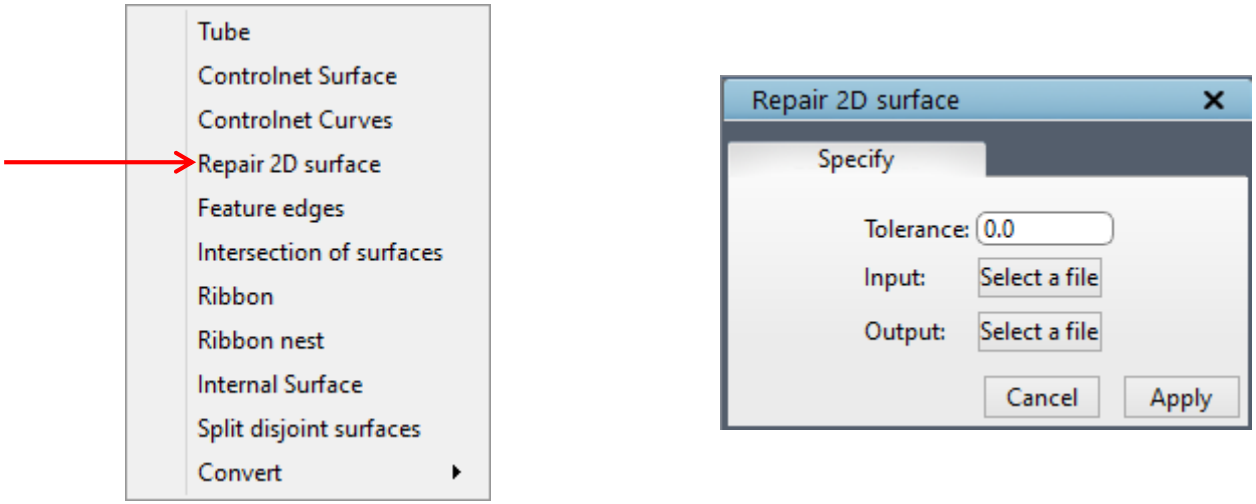

Figure 2: Surface Tools menu and Repair 2D surface dialog box

Refine

Surfaces can be refined with new refinement schemes.

How to use :

1. Make the surface as CURRENT, whose triangulation has to be refined.
2. Click on ‘Refine’ button under ‘Edit’ section of ‘Surface’ tab.
3. Enter the necessary input and click ‘Apply’.

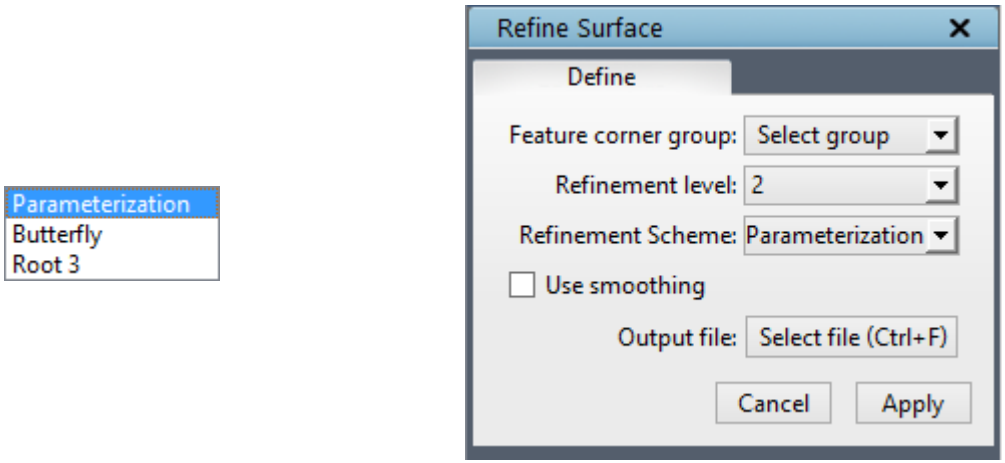

Figure 4: New refinement schemes and Refine dialog box

Workspace dimension

PURPOSE: Workspace dimension (2D→3D or 3D→2D) can be changed at any time

How to use :

1. Click on View menu.
2. Select 2dto3d option from the drop down list
3. Click 'Yes' in the confirmation dialog box. The dimension of the existing workspace will be detected automatically

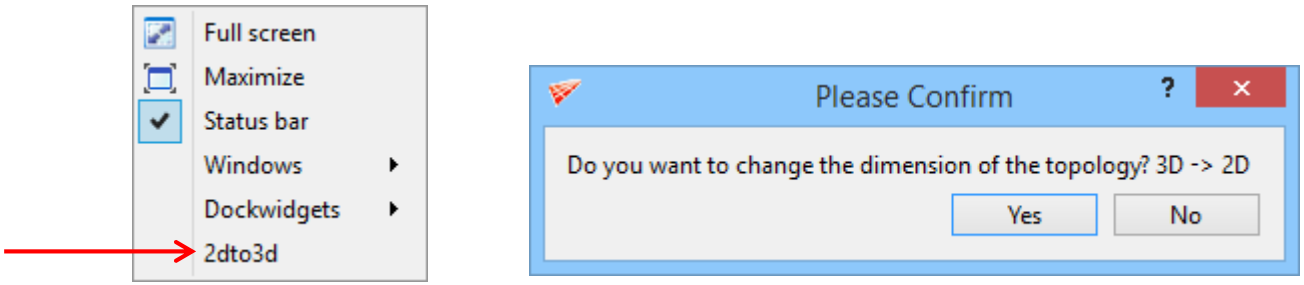

Figure 1: View menu and Confirmation dialog box

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Snap axis

PURPOSE: Screen can be snapped by clicking on the desired axis in the global axes.

How to use :

1. Click on the desired axis arrow to which the screen has to be snapped.

Note: The clicked axis will be aligned to the z axis of the screen.

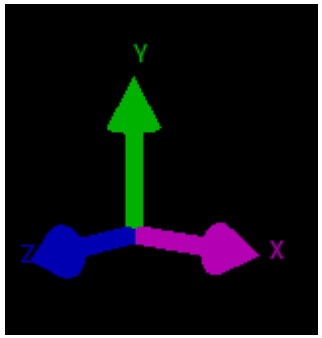

Figure 3: Global axis

Wrap

Wrap length can be modified by using the slider.

How to use :

1. Click on the wrap button.
2. Enter the necessary inputs and click ‘Apply’
3. Once applied, adjust the slider to position the wrapped corners to the desired location,

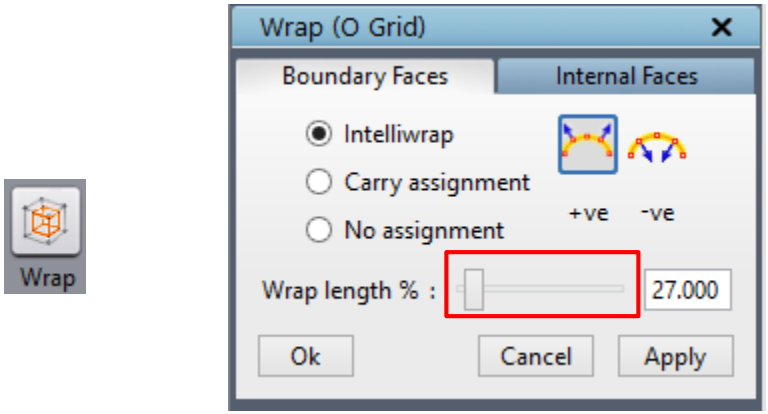

Figure 6: Mirror button and Mirror grid dialog box

Mirror

PURPOSE: Grids can also be mirrored with respect to workplane and user defined plane

How to use :

1. Click on the mirror button
2. Select the appropriate plane to which the existing grid has to be mirrored
3. Click ‘Apply’.

Note: If the selected plane is wrong, the operation can be undone by clicking on the ‘Undo’ button in the dialog box.

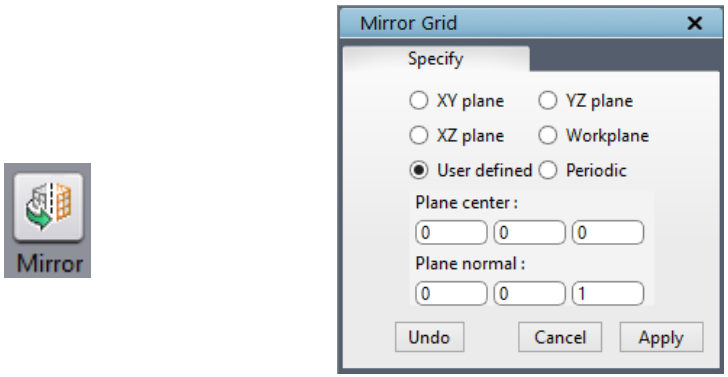

Figure 5: Mirror button and Mirror grid dialog box

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HiFUN solver

PURPOSE: GridPro grid can be exported to HiFUN solver format

How to use :

1. Select HiFUN from File→Export→Grid→HiFUN
2. Enter the output file name with extension ‘.msh’

Binary STL geometry

PURPOSE: Binary STL file can be imported into GridPro GUI

How to use :

1. Select STL from File→Import→Geometry→STL
2. Select the input file name with extension ‘.stl’

For any Queries
please contact
support@gridpro.com

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