

Hi all,

The new release of PanelingTools plugin for Rhino 4.0 SR7 is now available for download from:

<http://en.wiki.mcneel.com/default.aspx/McNeel/PanelingTools.html>

Important notes:

* To load this release, please make sure to download the latest Rhino 4.0 SR7 from: <http://download.rhino3d.com/rhino/4.0/sr/>

* PanelingTools is also available with Rhino Mac version: <http://www.irhino3d.com/> .

* Make sure to load the latest toolbars (comes with the plugin zip file) and reference manual.

New features:

* Added the new ptPanelGridCustomVariable command with history support. This command allows input pattern(s) to scale, rotate, move or morph based on curvature, attractors or randomly.

* Added new command ptMeanCurves to find intermediate curves between start and end curves. it does not do curve seam matching. You need to use CrvSeam to align the 2 shapes seam before running the command.

* Added new ptSwapGridUV command to swap UV direction of a paneling grid.

* Added new ptWeaveGrids command to merge two paneling grids.

* Added new ptConvertToDiagonalGrid command to change the standard rectangular paneling grid to a diagonal one.

* Added new ptConvertToDiamondGrid command to change the standard rectangular paneling grid to a diamond one.

* Added 4 new commands to save and load 2d and 3d patterns to and from a text file format. Those are the patterns created with the 2D/3D pattern manager.

* Added the new command ptExtractCenterGrid. It generates a new grid based on the center points of some input grid.

* Added 8 new scripting functions.

* Added "undo" option to ptManage2DPatterns and ptManage3DPatterns commands.

* Added ProjectionDirection option to ptPanelSurface and ptPanelCurve command when PanelShape=Projected.

* Added AttractorCurves option to commands: ptOffsetBorder, ptOffsetPoints, ptExtrudeEdge, ptOffsetEdge and ptFinEdges.

* Added history support to ptOffsetPoints command.

* Added new output format options to ptPanel3D command. It is now possible to choose to output edges, faces, solids and/or meshes.

* Updated all ptPanel3D built-in patterns to output selected format. Patterns WireBox and Box are merged into one.

Bug Fixes:

* Fixed ptDirection bug. When rows length is not equal, reversing the direction did not realign end points to be in one column.

* Fixed a history bug in ptPanelGridCustom command

* Made faces directions consistent when using built-in patterns in ptPanelGrid command.

* Fix ptGridCurve bug. the command used to fail if it cannot calculate a preview

grid when no projection is found. the command now allow the user to get to the next step to reset projection and extrusion directions to get desired grid.

Fun Stuff:

* PanelingTools for Rhino 5.0 WIP 32 and 64 bits is coming soon.

* Glenn Wilcox posted three new tutorials in his generative design computing blog:

[<http://www.generativedesigncomputing.net/search/label/Paneling%20Tools>]

* Added two short clips to show how the new ptPanelgridCustomVariable command works with history. [

<http://en.wiki.mcneel.com/default.aspx/McNeel/PanelingExamples.html>]

* There is an upcoming PanelingTools workshop organized by Tex-Fab at the University of Texas at Arlington. <http://tex-fab.net> . There are other interesting Rhino related workshops in that event. Hope to see you there.

You are very welcome to reply with your feedback, thoughts and examples of how you use PanelingTools.

Have a wonderful new year :)

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