spScan 2026.1

Upgrade News

Improved Features/Specification Changes

[Edit]-[Element Attribute Settings]

- Added "Tooltip Text" item.

- Tooltip text size can now be changed.

[Edit]-[System Settings]

- Changed the default setting of "Zoom around mouse" to ON.

- View scaling can now be executed at the mouse indicated position.

Color Selection

When selecting polygon colors, when "Exclude range including surfaces" is turned ON, the range of polygons

including surfaces will be displayed in gray preview, making it easier to identify unselectable areas.

[Polygon]-[Thicken]

- Improved the processing speed of the self-intersection removal function.

- Added a progress bar.

[Surface]-[Patch]-[Insert Curve Between Base Surfaces]

Curves connecting base surfaces can now be inserted automatically.

[Surface]-[Patch]-[Edit Patch]

Patch vertices that were previously projected onto the opposite side of the normal using Ctrl + pick or Ctrl + drag

can now be moved onto polygons in the same normal direction.

[Surface]-[Patch]-[Repatch]

Patch vertices that were previously projected onto the opposite side of the normal using Ctrl + pick or Ctrl + drag

can now be moved onto polygons in the same normal direction.

[Surface]-[Patch]-[Check Patch Surface]

Patch vertices that were previously projected onto the opposite side of the normal using Ctrl + pick or Ctrl + drag

can now be moved onto polygons in the same normal direction.

[Surface]-[Create Multiple Base Surfaces]

Numerical rounding can now be turned ON/OFF.

[Surface]-[Create Fillet Surface]

Enhanced to automatically hide surfaces in the R-stop-curve editing mode.

[Surface]-[Surface Repair Tools]-[Connect Surfaces Using Bridge]

Shared surfaces can now be selected.

[Analyze]-[Move Annotation]

Annotations can now be moved.

[Demo]-[Surface Cut]

Accelerated processing speed.

[Demo]-[Create Surface]-[New Create Patch Surface]

Enhanced to reduce wrinkle generation between patch surfaces.

[Demo]-[Tool]-[Repair Data 2]

Enhanced data correction function.

[Prototype]-[AE-Deform]

- AE-Deform can now be launched from spScan.
  - This feature can only be used while the maintenance license period of spScan is valid.

Addressed Issues

[File]-[Import]-[CAD]-[IGES]

Addressed an issue where using [View] - [Fit] after importing CAD data without importing any polygons caused the view to fit both the CAD geometry and the coordinate origin.

[File]-[Import]-[CAD] [STEP]

Addressed an issue where using [View] - [Fit] after importing CAD data without importing any polygons caused the view to fit both the CAD geometry and the coordinate origin.

[Polygon]-[Thicken]

- Addressed an issue where spScan would crash when thickening data without holes.
- Addressed an issue where spikes (pointed shapes) were created on the outer shape of polygons.
- Addressed an issue where polygons would flip after thickening

[Polygon Mesh]-[Reshape Outer Edge]

Addressed an issue where polygons were not deleted according to the selected range.

[Polygon Mesh]-[Boundary Smoothing]

Addressed an issue where overlaps would occur.

[Curve]-[Create Reference Section Curves]

Addressed an issue where reference section curves could not reflect the polygon mesh geometry when the polygon mesh was a solid shape.

[Curve]-[Create 2D Curves]

Addressed an issue where an error would occur in the 2D curve creation function when reference section curves were created at polygon mesh vertex positions.

[Surface]-[Patch]-[Create Patch Surface]

Addressed an issue where the patch surface geometry would deform when the number of control points was minimized.

[Surface]-[Create Multiple Base Surfaces]

- Addressed an issue where cylinders and cones did not display the colors set in the shape mode.
- Addressed an issue where cornering targets could not be correctly determined.

[Surface]-[Surface Repair Tools]-[Connect Surfaces Using Bridge]

Addressed an issue that occurred when the connected shape became an inner loop geometry.

[Surface]-[Create Primitive Surface]

- Addressed an issue where cylindrical and conical shapes could not be created as split shapes.
- Addressed an issue where cylinders and cones did not display the colors set in the shape mode.

[Surface]-[Create Fillet Surface]

Addressed an issue where the shape would deform due to insufficient surface extension during fillet surface creation.

[Surface]-[Auto Edging]

Addressed an issue where cornering targets could not be correctly determined.

[Surface]-[Patch]-[Check Patch Surface]

Addressed an issue where areas set to G0 in [Surface Continuity Settings] would become G1 continuous.

[Surface]-[Create Multiple Base Surfaces]

Addressed an issue where conical shapes close to a plane could not be correctly determined.

[Demo]-[Tool]-[Repair Data]

Addressed an issue where curves for which free curves or surfaces were not created would be deleted during data correction.

Others

Changes in Menus

- [Demo]-[Create Average Polygon Mesh] → [Prototype]-[Create Average Polygon Mesh]

- [Demo]-[Output Points on Curve (IGES)] → [Prototype]-[Output Points on Curve (IGES)]

Thumbnails

Screenshots taken when spScan closes can now be displayed as thumbnails for spScan files (.scands).

Open with ...

- spScan can now be launched by double-clicking spScan files (.scands) in Windows Explorer.

- The target spScan version can be specified in "Open with ...".

Developer

Armonicos Co., Ltd.

Hamamatsu ACT Tower 21st floor, 111-2 Itaya-machi, Chuou-ku,

Hamamatsu City, Shizuoka Prefecture 430-7721 Japan TEL: (+81)53-459-1000 FAX: (+81)53-459-1155

E-mail: spScan@armonicos.co.jp