LOFT Command — GstarCAD 2027

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LOFT Command

Commands > L Command > LOFT

Function Description:

This command is used to create 3D solids or surfaces by several cross sections.

User can apply the LOFT command on the following objects or sub objects:
1.The following objects can be selected as cross sections:
2D polyline, spline, arc, elliptical arc, and line.
2.The following objects can be selected as path:
3D polyline, spline and line.
3.The following objects can be selected as guides: Spline and line. Users can set the DELOBJ system variable to delete cross sections, guides and
path automatically.

Command Access:

Menu: Draw > Modeling > Loft
Ribbon: 3D > Modeling > Loft
Toolbar: Modeling > Loft

Command: LOFT
Alias: /

Command Prompts:

Select cross sections in lofting order or [MOde]:

Those cross sections determine the shape of 3D solids or surfaces and there must be at least two cross sections.

Lofting profile can be open or closed, planar or non-planar, and can also be edge of sub objects.

Select cross sections in lofting order

Specifies open or closed cross sections in lofting order.

- **Guides:**
  Specify loft guides to control solid or surface shape. Users can specify control points to match corresponding cross sections.
  Note:
  The guide surface must intersect with each cross section. The guide surface starts from the first cross section. The guide surface ends at the last cross section. Users can select a few guides for lofting surfaces or solids and press ENTER to finish.

- **Path:**
  Specify loft path for solid or surface. The path must intersect with planes of cross sections.

- **Cross sections only:**
  Create loft by cross sections without guides or path.
- **Settings:**
  The Loft Settings dialog box is displayed as
  shown below.

Mode

Controls whether the lofted object is a solid or a surface.

Related References

- Commands about Constructing 3D Solids and Surfaces from 2D Geometry

Related Tasks

- To Create a Solid by Lofting Through a Set of Cross-section Profiles

Other versions with matching text

2023 · 2024 · 2025 · 2026