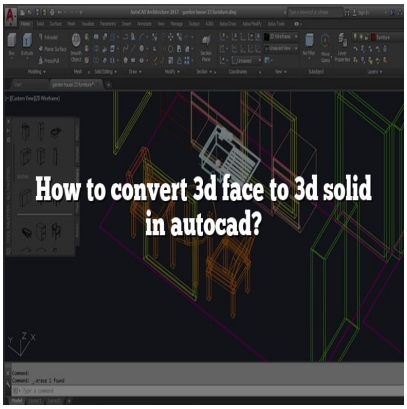


How to convert 3d face to 3d solid in autocad?

Description

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Starting with this article which is the answer to your question How to convert 3d face to 3d solid in autocad?.CAD-Elearning.com has what you want as free AutoCAD tutorials, yes, you can learn AutoCAD software faster and more efficiently here.
Millions of engineers and designers in tens of thousands of companies use AutoCAD. It is one of the most widely used design and engineering programs and is used by many different professions and companies around the world because of its wide range of features and excellent functionality.
And here is the answer to your How to convert 3d face to 3d solid in autocad? question, read on.

Introduction

1. Enter CONVTOSURFACE on the command line.
2. Select the **face** that you want to **convert**.
3. Enter THICKEN on the command line.
4. Select the surface.
5. Enter a thickness value for the selected surface on the command line.
6. When prompted, choose whether or not to erase the defining surface.

Furthermore, how do you **convert** a 3D object to a solid in **AutoCAD**?

1. Click Mesh tab Convert Mesh panel **Convert** Options drop-down.
2. Specify one of the following conversion options: Smooth, optimized.
3. Click Mesh Modeling tab Convert Mesh panel Convert to **Solid**.
4. Select a mesh object that has no gaps or intersecting faces.

Correspondingly, how do you change 3D face to surface in AutoCAD? Use the Convert to Surface command (CONVTOSSURFACE) to convert the 3D faces into surfaces. Use the UNION command to join the surfaces together. Use the Smooth Object command (MESHSMOOTH) to create a mesh from the resulting surface. To retain the original shape, set the mesh smoothness to None in the properties palette.

Considering this, how do you solidify an object in AutoCAD?

1. Click Home tab Solid Editing panel Thicken. Find.
2. Select the surfaces you want to thicken. Press Enter.
3. Specify a thickness for the solid. Press Enter.

You asked, how do you create a surface from 3D faces in Civil 3D?

1. Run the LINEWORKSHRINKWRAP command and select all 3D Faces from which the surface needs to be created.
2. From Home ribbon, Create Ground Data click on Surfaces > Create Surface.
3. In Create Surface dialog name the surface, select Style, rendering material and click OK.

1. Click Surface tab Control Vertices panel Convert to NURBS. Find.
2. Select a 3D **solid** object and press Enter. The object is converted into multiple NURBS surfaces (each face becomes a separate surface.)

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How do I fill in surfaces in AutoCAD?

1. Click Home tab Draw panel Hatch.
2. On the Properties panel Hatch Type list, select the type of hatch you want to use.
3. On the Pattern panel, click a hatch pattern or fill.
4. On the Boundaries panel, specify the how the pattern boundary is selected:
5. Click an area or object to be hatched.

How do you extrude a 3D face in AutoCAD?

To extrude faces of a solid, on the Home ribbon, in the Solid Editing panel, click the Extrude Faces tool. The program prompts you to select faces. Click to select the faces that you want to extrude. When you select a face, it highlights.

How do you create a surface from 3D solids in Civil 3D?

1. Select a TIN surface in the drawing or click Modify tab Ground Data panel Surface to display the Surface contextual ribbon.
2. Click Surface contextual tab Surface Tools panel Extract From Surface drop-down Extract Solids From Surface Find.

Can you make a surface from 3D polylines?

If this is the case Civil 3D has tools that make creating a surface from 3D faces or 3D lines representing a TIN both accurate and easy. On the Prospector tab of the Toolspace, right-click on Surfaces and select >> Create Surface.

How do you make a 3D object hollow in AutoCAD?

If you need to make a hollow body from a standard full 3D solid in AutoCAD , use the function Shell. Run the command SOLIDEDIT and its option Solid > Shell. Select the source 3D solid to hollow out and choose (with Ctrl-pick) the face which will be removed from the closed solid (through which you will â€œdigâ€•).

How do you make a solid extrude in AutoCAD?

How do you hatch a 3D solid in AutoCAD?

How do you create a flat surface in Civil 3D?

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How do I merge two surfaces in Civil 3D?

1. On the Civil 3D Toolspace, click on â€œProspectorâ€• tab.
2. Right click on â€œSurfacesâ€• and create a new surface.
3. Expand the â€œDefinitionâ€• subfeature for that new surface and right click on â€œEditsâ€•.
4. Click â€œPaste Surfaceâ€• and choose the original surface.
5. Change the new surface style to show points.

How do you convert polyline to surface in Civil 3D?

1. In the command line, type FEATUREELEVSFROMSURF command.
2. Select the surface to which the object will be projected.
3. Select the desired object(s).

How do you turn a surface body into a solid?

To convert a boundary surface into a solid, click Insert > Surface > Boundary Surface, and in Options and Preview, click Create solid. To convert a trim-surface feature into a solid, click Insert > Surface > Trim Surface and in Surface Split Options, click Create solid.

How do you turn a sheet body into a solid body in NX?

How do I change a surface to a solid in space claim?

SpaceClaim â€“> repair and try stich, merge face, free face and all other option to repair your geometry and you can see the left tree to conversion after repairing your model. Everything will be solid after the process of repair.

How do you make a 3D surface in AutoCAD?

1. Create surfaces from profiles. Create surfaces from profile shapes composed of lines and curves with EXTRUDE, LOFT, PLANESURF, REVOLVE, SURFNETWORK, and SWEEP.
2. Create surfaces from other surfaces.
3. Convert objects into procedural surfaces.
4. Convert procedural surfaces into NURBS surfaces.

How do you join two 3D objects in AutoCAD?

Wrapping Up:

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I hope this article has explained everything you need to know about How to convert 3d face to 3d solid in autocad?. If you have any other questions about AutoCAD software, please take the time to search our CAD-Elearning.com site, you will find several AutoCAD tutorials. Otherwise, donâ€™t hesitate to tell me in the comments below or through the contact page.

The following points are being clarified by the article:

- How do I fill in surfaces in AutoCAD?
- How do you extrude a 3D face in AutoCAD?
- How do you create a surface from 3D solids in Civil 3D?
- How do you make a 3D object hollow in AutoCAD?
- How do you create a flat surface in Civil 3D?
- How do I merge two surfaces in Civil 3D?
- How do you convert polyline to surface in Civil 3D?
- How do you turn a surface body into a solid?
- How do you turn a sheet body into a solid body in NX?
- How do you make a 3D surface in AutoCAD?