3DMESH command

1939 GstarCAD MY /KW July 30, 2021 CAD Commands 0 1253

The **3DMESH** command is used to create polygonal mesh in any styles.

Command Access:

Ribbon : 3D > Mesh > 3D Mesh
Menu : Draw > Modeling > Meshes > 3D Mesh
Command : 3DMESH

Command Prompts:

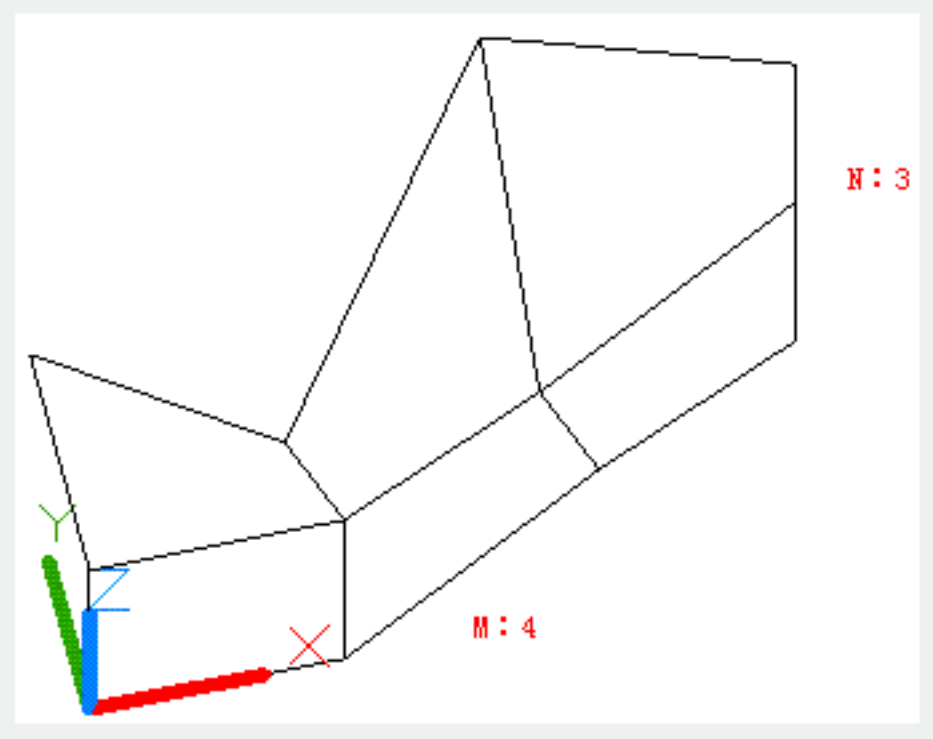
Enter size of mesh in M direction:
Enter size of mesh in N direction:
Specify location for vertex (0, 0):
Specify location for vertex (0, 1):

Function Description:

The density of mesh controls number of mosaic surface. The mesh is defined by M×N vertexes of rectangles, this is similar to row and column of grid. It is a traditional way to create mesh by 3DMESH command and designed for program operation rather than manual operation.

Relative Glossary:

Size of mesh in M direction:
Specify size of mesh in M direction, it is a value between 2 and 256.
Size of mesh in N direction:
Specify size of mesh in N direction, it is a value between 2 and 256. The value of M×N must be equal to the specified vertex number.
Location for vertex (0, 0):
Specify coordinates for each vertex. Users could input two dimension or three dimension coordinates. The location for each vertex is determined by the M and N (M is the subscript of row and N is the subscript of column). Define vertex coordinate beginning with (0, 0) and firstly specify the vertex coordinate with M, and then specify M+1.
The distance of vertex could be any value and directions of M and N are determined by their coordinate locations.
Meshes created by 3DMESH command are open in M and N direction; users could use PEDIT command to close them.



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