

# SOLID STEPPED CONTOUR MODEL

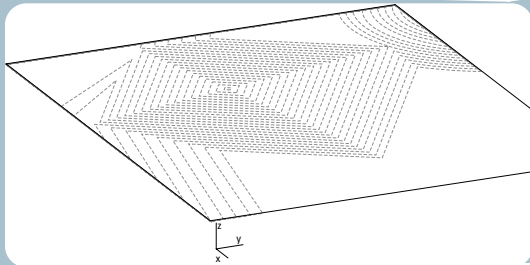
## Objectives:

To present a method for generating a stepped contour model by extruding a set of closed two-dimensional contour lines. This type of model results in a series of unique solid objects that when viewed together represent a stepped terrain surface.

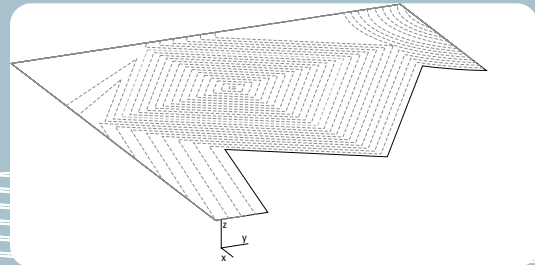
## Inputs:

Two-dimensional closed polylines or splines preferably with a Z height of zero ( $Z=0$ ).

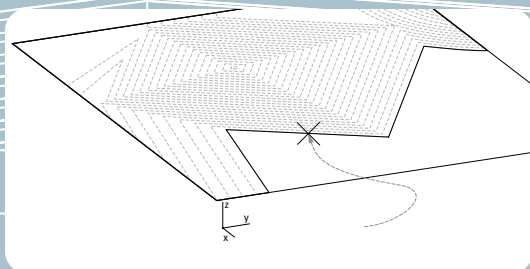
## Process:



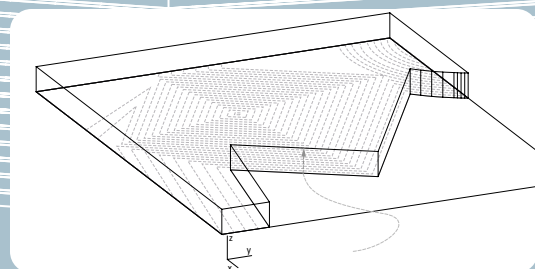
1. Determine the elevation of the model's ground plane. In most situations a Z height of zero is preferable. ( $Z=0$ )



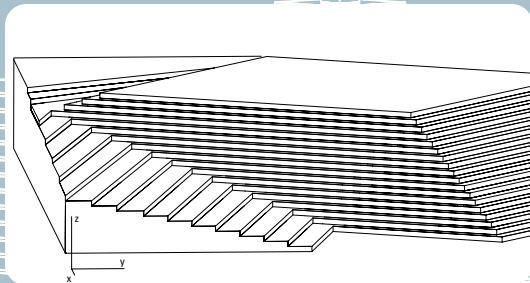
2. Make sure that all of the contour intervals are closed.



3. Invoke the **EXTRUDE** command.  
4. Select the contour interval that you wish to extrude.



5. Specify the height of the extrusion. If the boundary height is zero, the height of the extrusion should equal that of the contour interval. (Extrude height = contour interval.)



6. Repeat for all other contour intervals.

