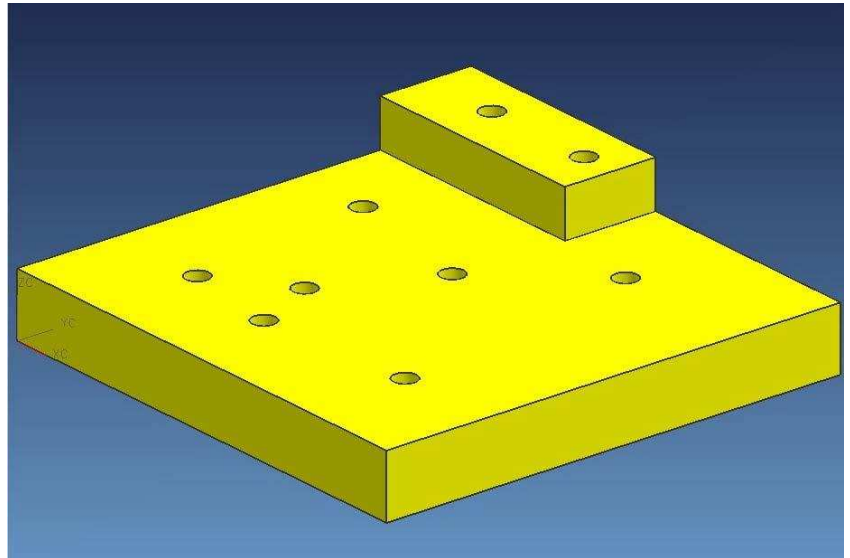


>> Unigraphics

Creating an Associative Tabular Note to List Z, Y, X Point Locations

These operations will address the XYZ hole locations using point data, gathered into a Spreadsheet and imported to a Tabular Note, to be placed on a drawing sheet.

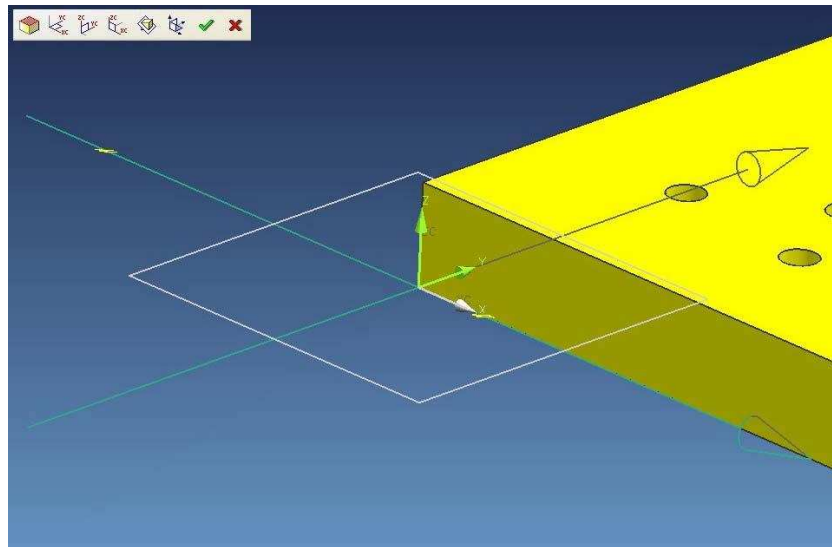
The part shown has a set of randomly placed holes.



18

1. Insert => Sketch

Create a Sketch at the XYZ origin of the part where the starting edges are going to be located, basically at the 0, 0, 0 of the part.



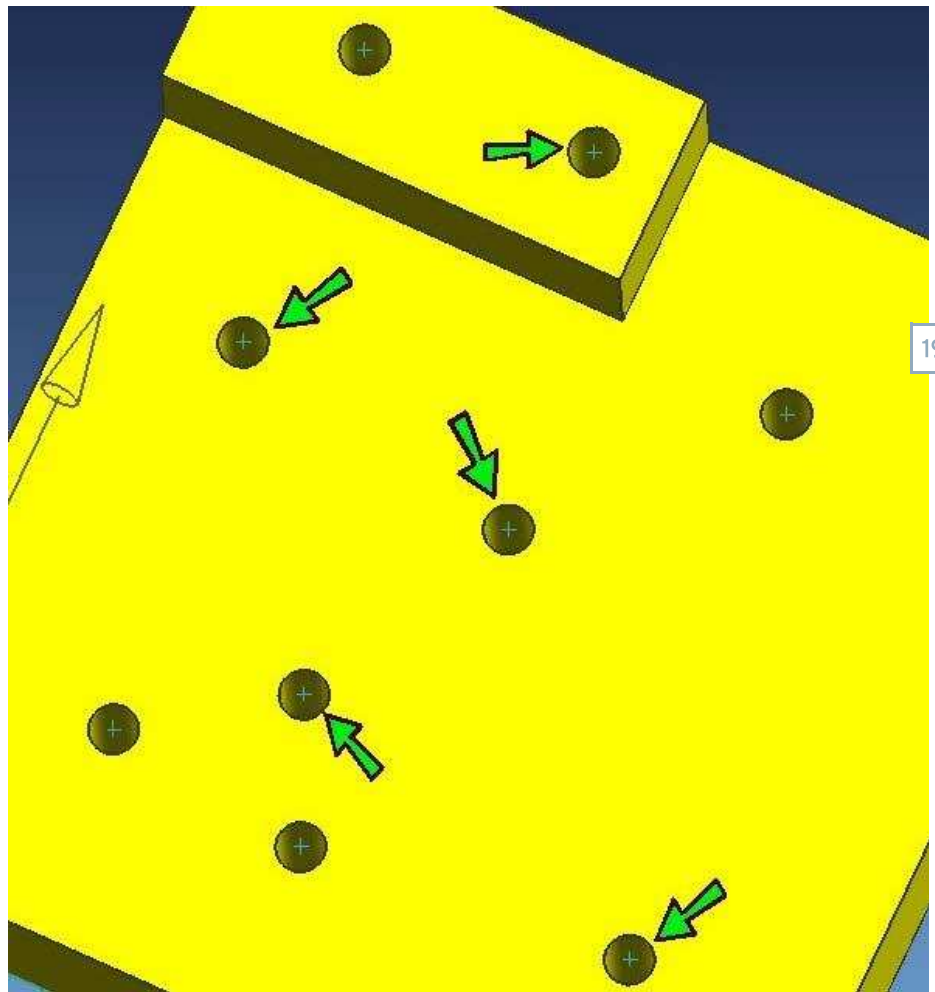
2. Create Sketch Associative Points

Use this option to create **Associative Sketch Points**, (Smart Points), to be located at each hole location.



Continued from previous

The points are shown here for each hole and located on the top surface of the hole on the part.



While still active in the Sketch,

3. **Edit => Properties**
4. **Select a point**
5. **OK**

This will show the **Name** for the selected point. This will be used in a later operation.

You can also see the point name through the above operation, but do not select them, just move the cursor over them and read the **Status Line** to see the name of the point pre-highlighted.

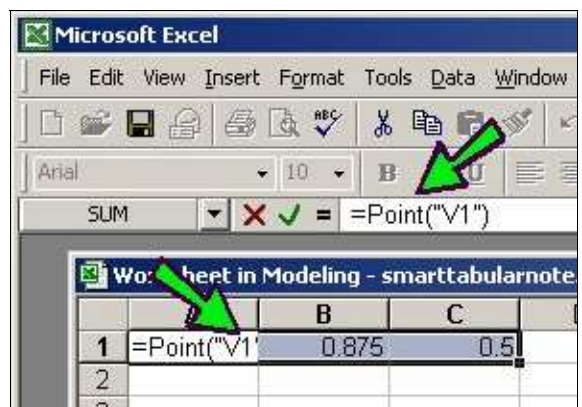
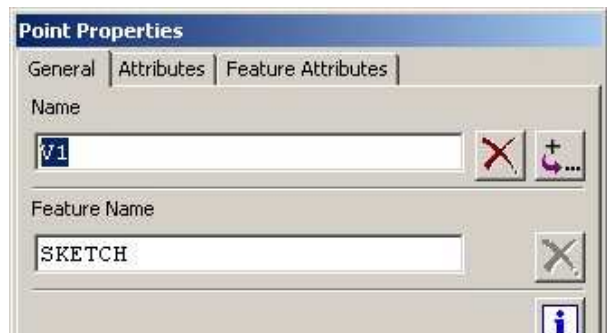
6. **Tools => Spreadsheet**
7. **Select Cell A1**
8. **Highlight B1 and C1**
9. **Enter the following value for A1**
`=Point("V1")`
10. **CRTL+SHIFT+ ENTER**

This operation will run the equation for point **V1** and place the XYZ values in the appropriate columns for XYZ.

The Function of **CRTL+SHIFT+ENTER** allows you to array the input value that was typed in at step 9.

When all the holes have been input exit the spreadsheet.

11. **File => Exit**
12. **OK**



>> Unigraphics

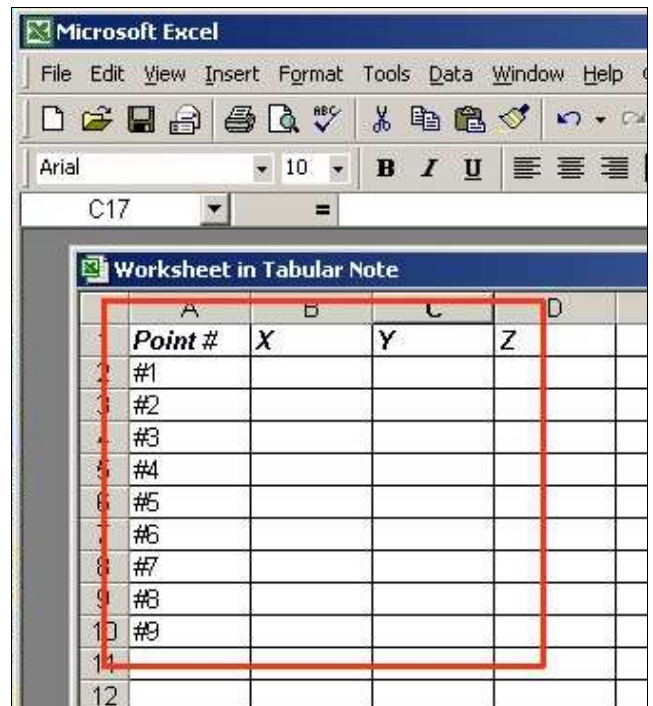
Continued from previous

- 13. Application => Drafting
- 14. Insert => Tabular Note



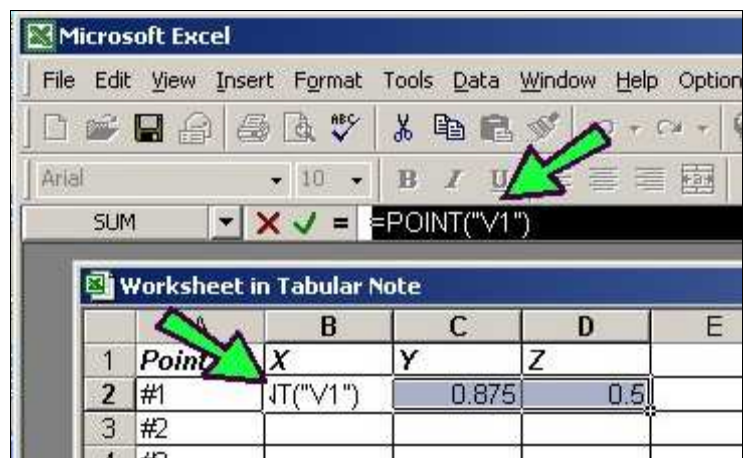
20

When the Tabular Note Spreadsheet opens, create column and row headings that will define the information that is going to be extracted from the Modeling Spreadsheet. In this case a column heading for **Point #, X, Y, and Z**. Also row headings for each point number.



Use the same operations for entering the point value equation in the Tabular Note cells.

- 15.. Select Cell A1
- 16.. Highlight B1 and C1
- 17. Enter the following value for A1
=Point("V1")
- 18. CTRL+SHIFT+ENTER



>> Unigraphics

Continued from previous

Do this for all the holes in the *Tabular Note* as well.

19. *File => Exit*

20. *OK*

	A	B	C	D	E
1	Point #	X	Y	Z	
2	#1	0.875	0.875	0.5	
3	#2	1.75	0.75	0.5	
4	#3	3.125	0.875	0.5	
5	#4	1.5	1.3125	0.5	
6	#5	0.675	2.5	0.5	
7	#6	1.95	2.25	0.5	
8	#7	0.6875	3.625	0.875	
9	#8	1.6875	3.625	0.875	
10	#9	2.75	3.125	0.5	
11					
12					

21

Now place the Tabular Note on the drawing.

<i>Point #</i>	<i>X</i>	<i>Y</i>	<i>Z</i>
#1	0.875	0.875	0.5
#2	1.75	0.75	0.5
#3	3.125	0.875	0.5
#4	1.5	1.3125	0.5
#5	0.675	2.5	0.5
#6	1.95	2.25	0.5
#7	0.6875	3.625	0.875
#8	1.6875	3.625	0.875
#9	2.75	3.125	0.5

NOTE:

If the model hole or sketch point locations are modified at all, the *Tabular Note* will require an *Edit* to update the equations.

1. *Insert => Tabular Note*
2. *File => Exit*
3. *OK*

Also note that depending on the number of holes and equations, this process may be somewhat time consuming.

Steve Chlopecki



[Go to Table of Contents](#)