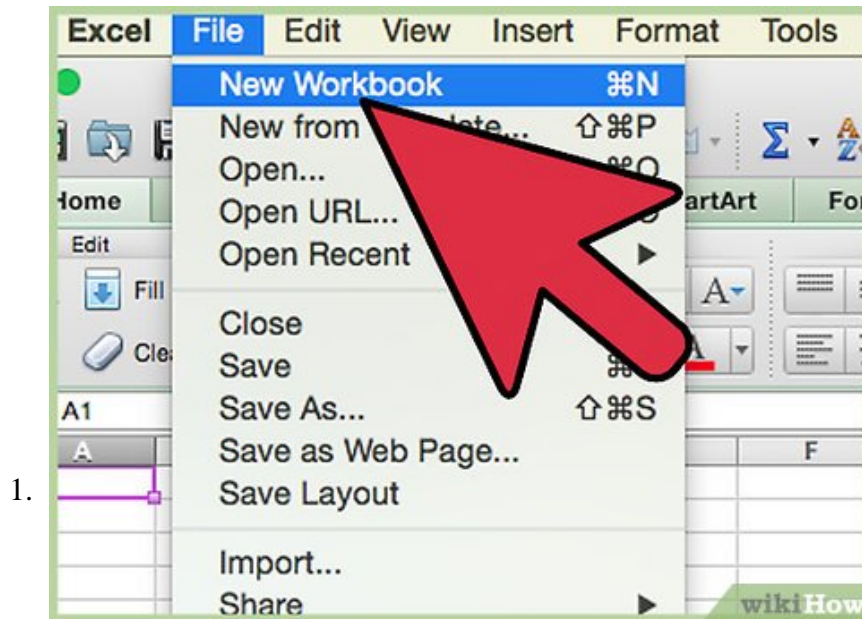


How to Create a Squiggly Frame Pattern in Microsoft Excel

In this article, you'll learn to make the 'squiggly frame' pattern and image below, and the dozens of variations the file permits therefrom. Become familiar with the basic image to be created:

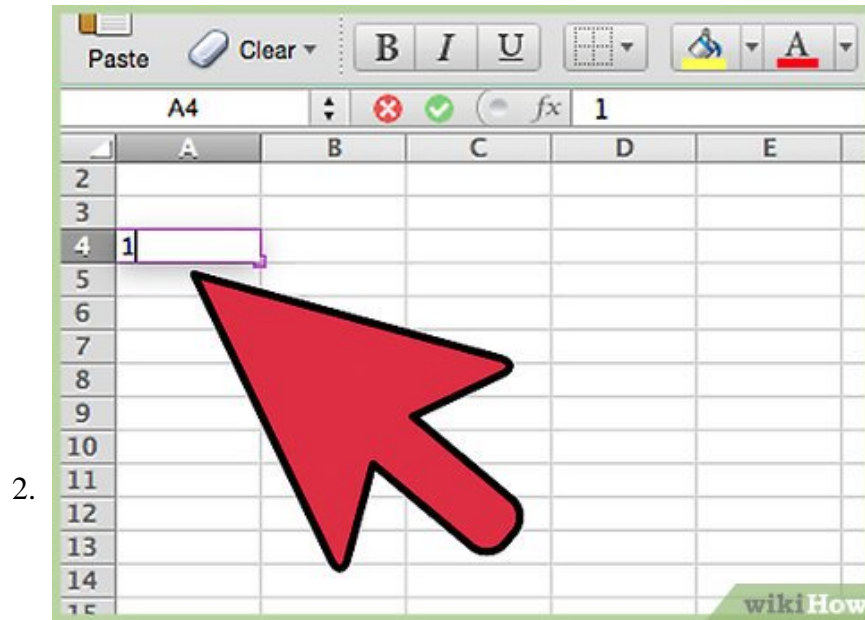
Part 1 of 3:

The Tutorial



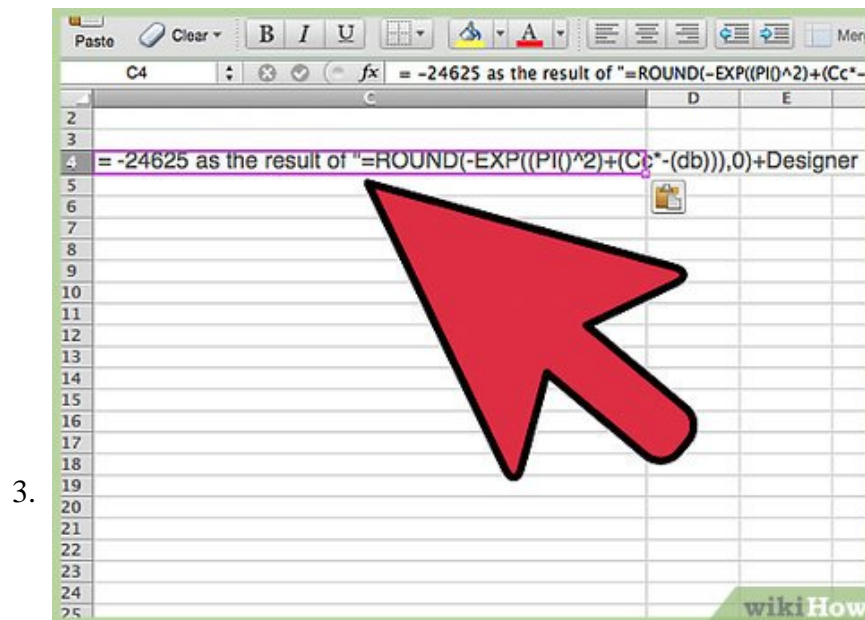
1.

Start a new workbook by saving the previous workbook from Create a Floral Glassware Pattern in Microsoft Excel under a new name. Save the workbook into a logical file folder.



Complete all changes in the upper Defined Variables section.

1. Enter On=0,Off=1 cell A4 = 1
2. Enter Adjuster = 1
3. Enter TURNS = 9
4. Enter S's Count = 25
5. Enter Var = 12
6. Enter Divisor = 39,708,609,295
7. Enter top = " $=\text{ROUND}((-B4*\text{PI}())+(\text{Adj}),0)$ " 9679383
8. Enter YN = N
9. Enter Power = 2
10. All the rest are the same as they were before.



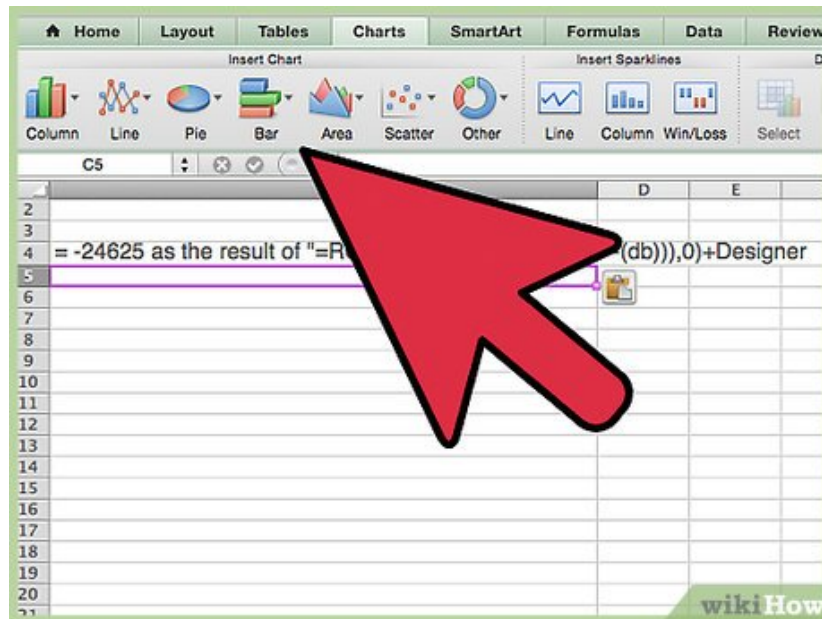
Complete all changes in the upper Columnar Formulas section.

1. $c = -24625$ as the result of `"=ROUND(-EXP((PI()^2)+(Cc*-(db))),0)+Designer"`
2. Enter to D7:D1447 w/ D7 active `"=X7/Divisor+IF(COS((ROW()-7)*PI()/180*Factor)0,ABS(COS((ROW()-7)*PI()/180*Factor))^Power*-1,COS((ROW()-7)*PI()/180*Factor)^Power)"`
3. Enter to E7:E1447 w/ E7 active `"=Y7/Divisor+IF(SIN((ROW()-7)*PI()/180*Factor)0,ABS(SIN((ROW()-7)*PI()/180*Factor))^Power*-1,SIN((ROW()-7)*PI()/180*Factor)^Power)"`
4. The External Ring and GMLL x,y and GMSL x,y formulas are unchanged. All other formulas and lookup tables are unchanged.
5. Check that F7:F1447 with F7 active contains `"=IF(A7=0,F6,((PI()*((SIN(B7/(C7*2))*GMLL*COS(B7)*GMLL*(COS(B7/(C7*2)))*GMLL)+D7))))"`
6. Check that G7:G1447 with G7 active contains `"=IF(A7=0,G6,((PI()*((SIN(B7/(C7*2))*GMLL*SIN(B7)*GMLL*(COS(B7/(C7*2)))*GMLL)+E7))))"`
7. Check that Sync1 refers to H2 and Sync2 refers to J2. Check the H2 formula, `"=H1/GMLL"` and check the J2 formula, `"=J1/GMSL"`.
8. Check the H7 formula, `"=F7*GMLL*Sync1"` and the I7 formula, `"=G7*GMLL*Sync1"`.
9. Check the J7 formula, `"=F7*GMSL*Sync2"` and the K7 formula, `"=G7*GMSL*Sync2"`.
10. Check that the lookup tables are unchanged.

Part 2 of 3:

Explanatory Charts, Diagrams, Photos

1. (dependent upon the tutorial data above)

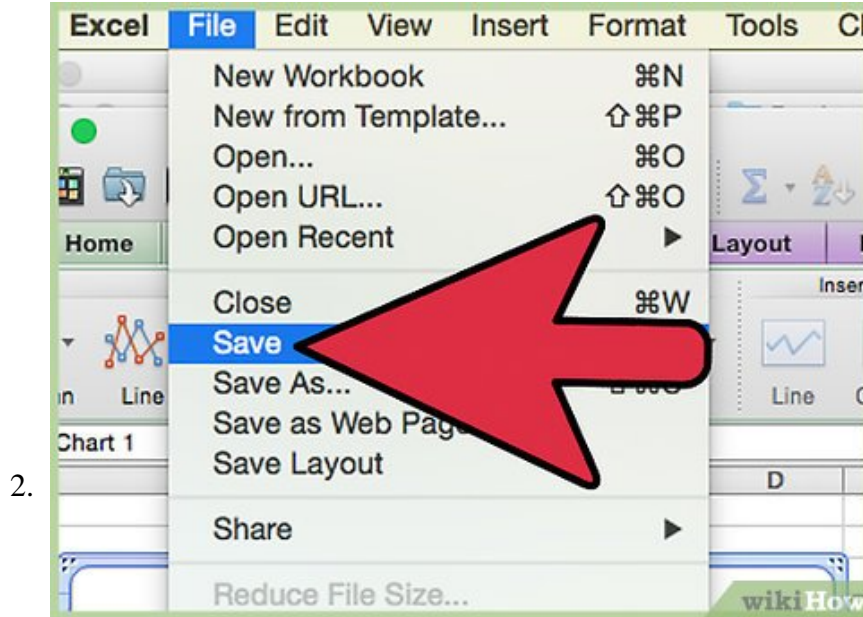


1.

Create the Chart.

1. Edit Go To cell range F7:G1446 on the Data worksheet and using Chart Wizard or the Ribbon, select Charts All/Other, Scatter, Smoothed Line Scatter. Copy the Chart to the Chart worksheet and expand it with the double-headed arrow via the bottom right corner.

2. Select Chart Layout and get rid of the axes and grid lines and legend; select Data Series 1 and make Line Weight 1 color Deep Purple from the Color Wheel.
3. Create the second chart with Plot Area background Black Fill. and paste in the GMLL and GMSL series and edit the series if they've arrived wrong until they read in the formula bar as follows:
 1. =SERIES(,DATA!\$H\$7:\$H\$1446,DATA!\$I\$7:\$I\$1446,1) Burgundy Red
 2. =SERIES(,DATA!\$J\$7:\$J\$1446,DATA!\$K\$7:\$K\$1446,2) Turquoise (Blue)Green
 3. =SERIES(,DATA!\$F\$7:\$F\$1446,DATA!\$G\$7:\$G\$1446,3) Blue Purple



Copy the live formulas and Paste Special Values then too to Saves, then Do Copy Picture and Paste Picture from the Chart with the Shift Key depressed to Saves and Save the workbook. Do so for each modification in the Tips section below.



Squiggly Eye at Alpine

Helpful Guidance

1. Make use of helper articles when proceeding through this tutorial:

1. See the article [How to Create a Spiralic Spin Particle Path or Necklace Form or Spherical Border](#) for a list of articles related to Excel, Geometric and/or Trigonometric Art, Charting/Diagramming and Algebraic Formulation.
2. For more art charts and graphs, you might also want to click on [Category:Microsoft Excel Imagery](#), [Category:Mathematics](#), [Category:Spreadsheets](#) or [Category:Graphics](#) to view many Excel worksheets and charts where Trigonometry, Geometry and Calculus have been turned into Art, or simply click on the category as appears in the upper right white portion of this page, or at the bottom left of the page.

You finished reading the article "[How to Create a Squiggly Frame Pattern in Microsoft Excel](#)" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.