



جامعة المستقبل كلية الهندسة والتقنيات الهندسية قسم هندسة الاطراف والمساند الاصطناعية

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للمرحلة الاولى
الكورس الثاني 2023-2024

Computer aided DRAFTING

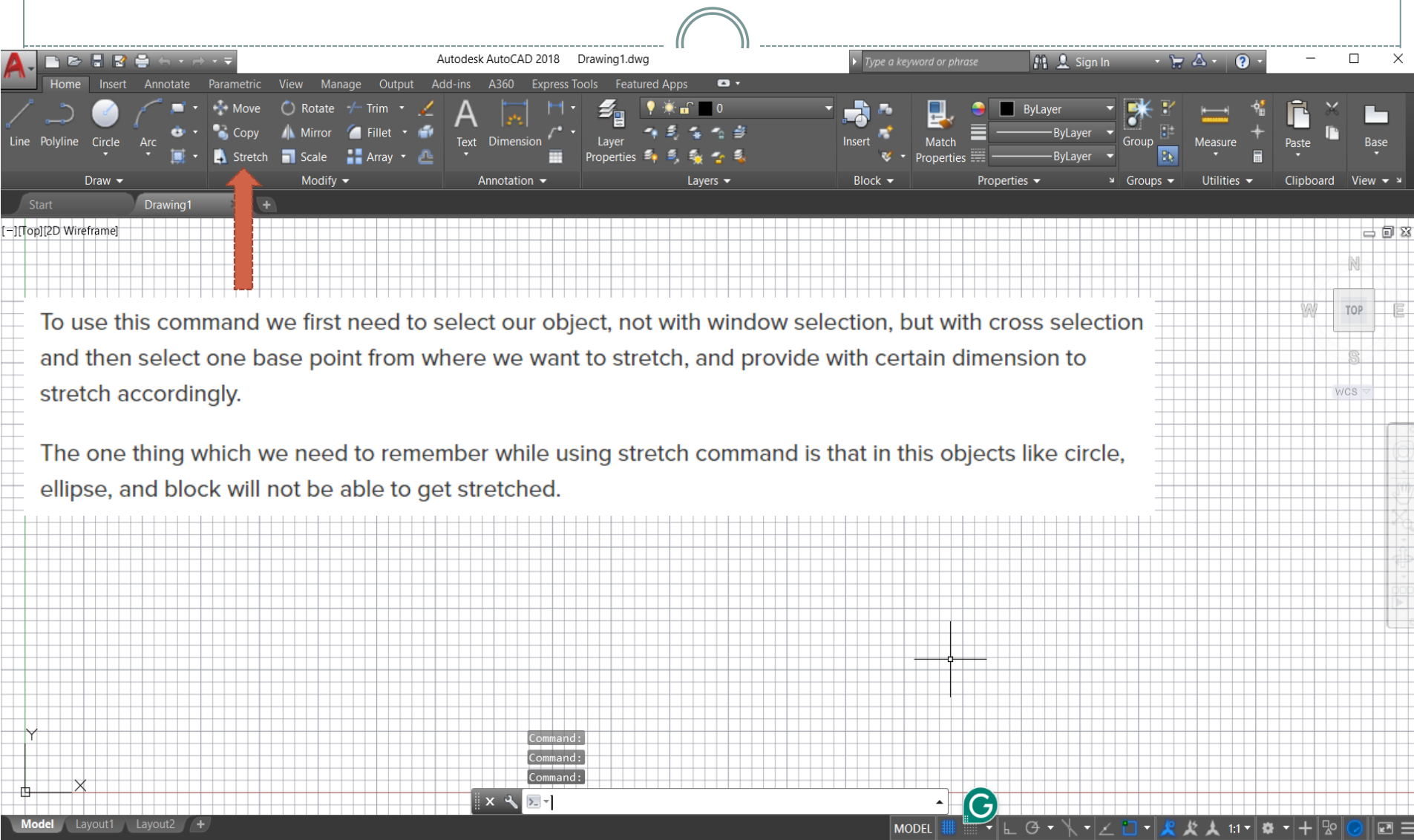


Lecture six

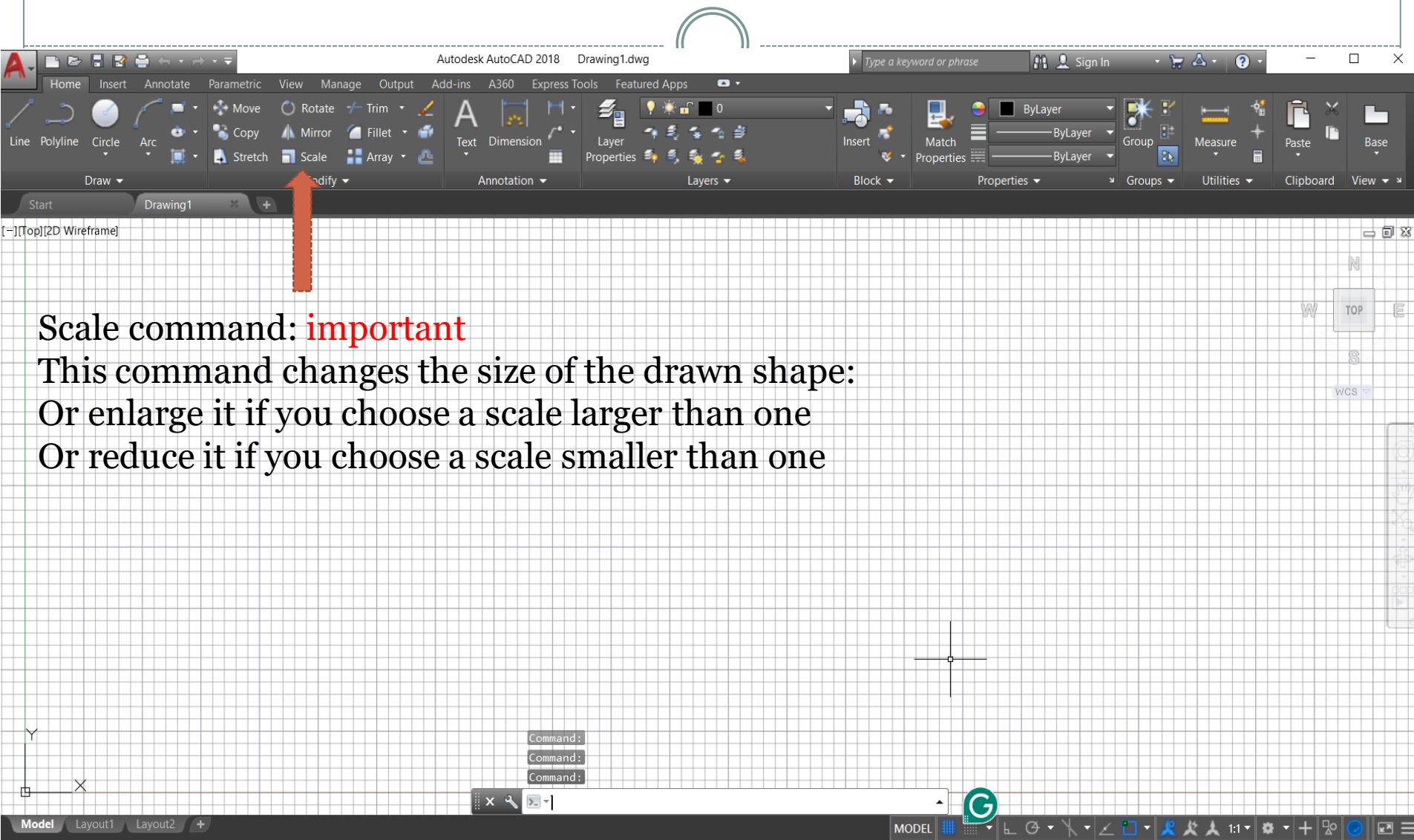
- Modify Commands
- Annotation Commands

- اوامر التحسينات
- اوامر التهميش

Modify Commands: Stretch



Modify Commands: Scale



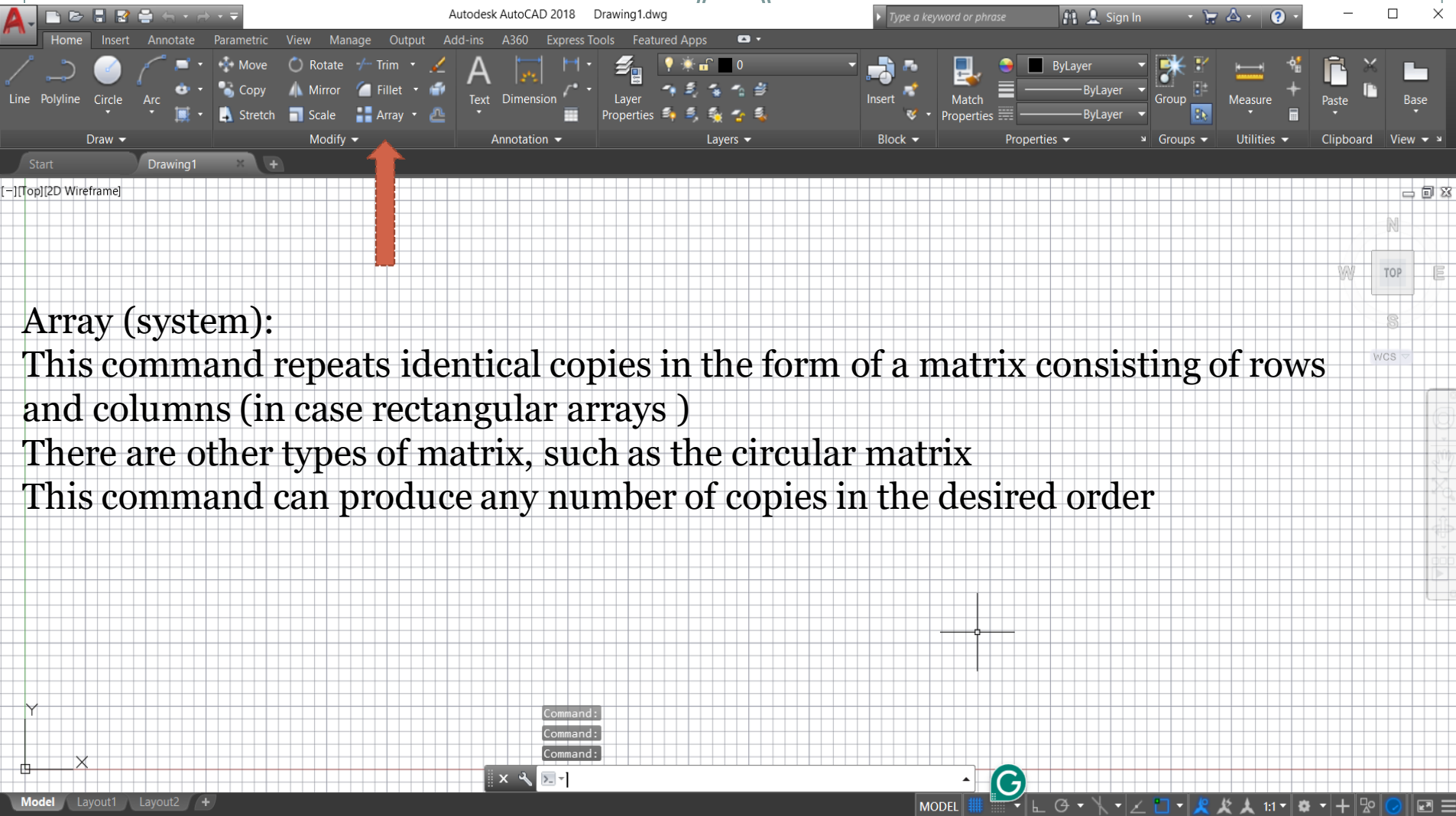
Scale command: **important**

This command changes the size of the drawn shape:

Or enlarge it if you choose a scale larger than one

Or reduce it if you choose a scale smaller than one

Modify Commands: Array



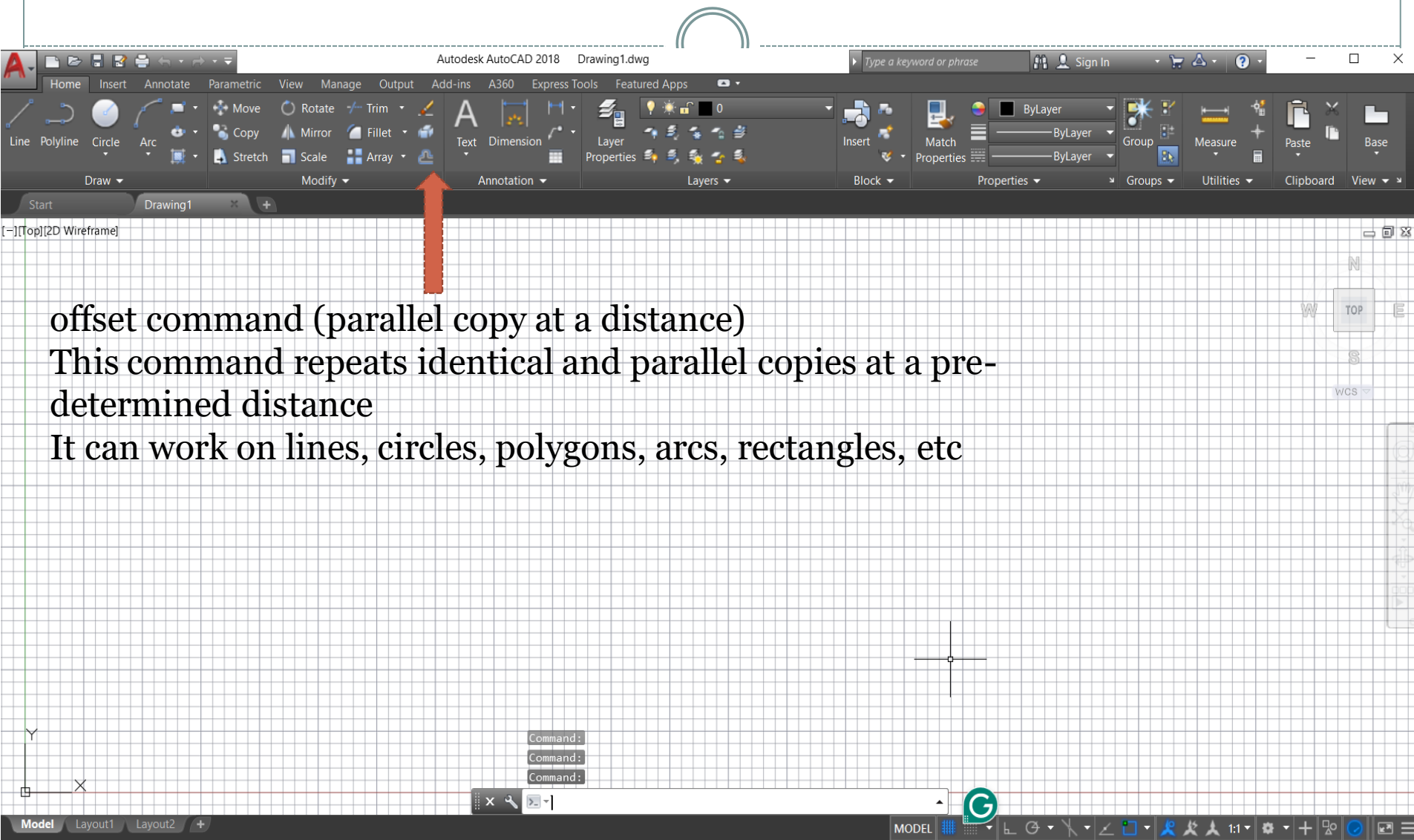
Array (system):

This command repeats identical copies in the form of a matrix consisting of rows and columns (in case rectangular arrays)

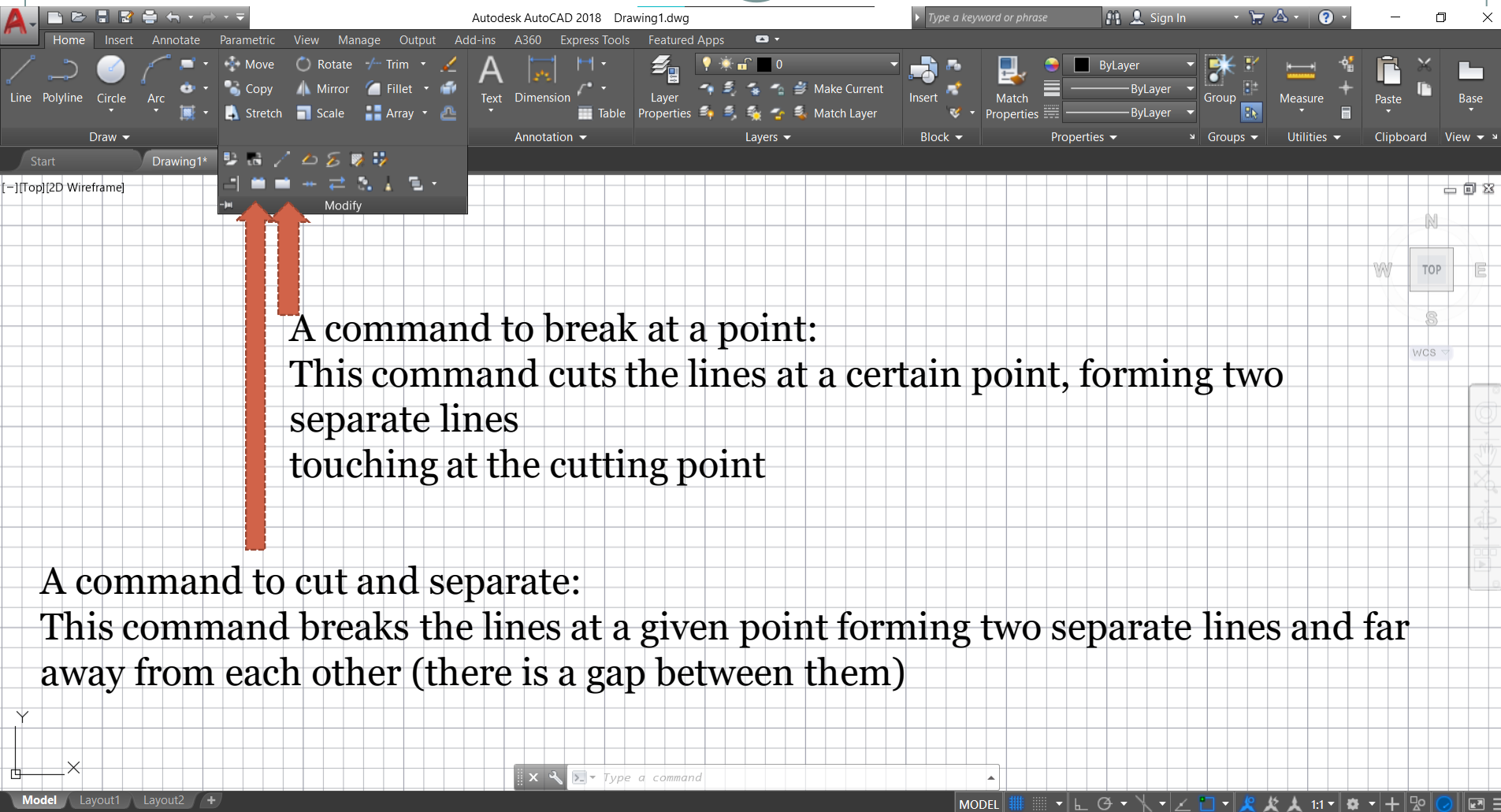
There are other types of matrix, such as the circular matrix

This command can produce any number of copies in the desired order

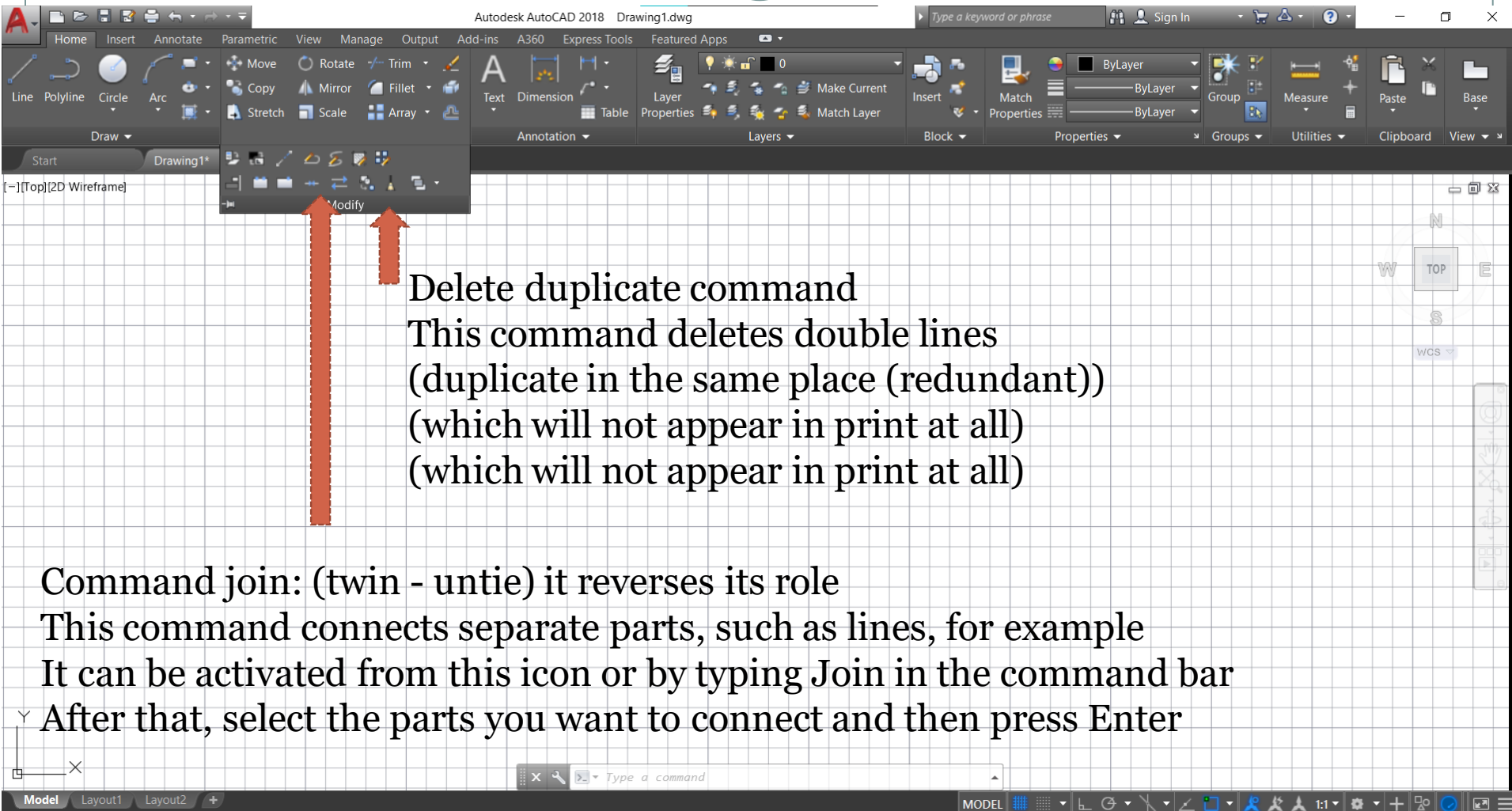
Modify Commands: Offset



Modify Commands: Break



Modify Commands: Join



Autodesk AutoCAD 2018 Drawing1.dwg

Home Insert Annotate Parametric View Manage Output Add-ins A360 Express Tools Featured Apps

Line Polyline Circle Arc

Draw

Start Drawing1*

[-] [Top] [2D Wireframe]

Modify

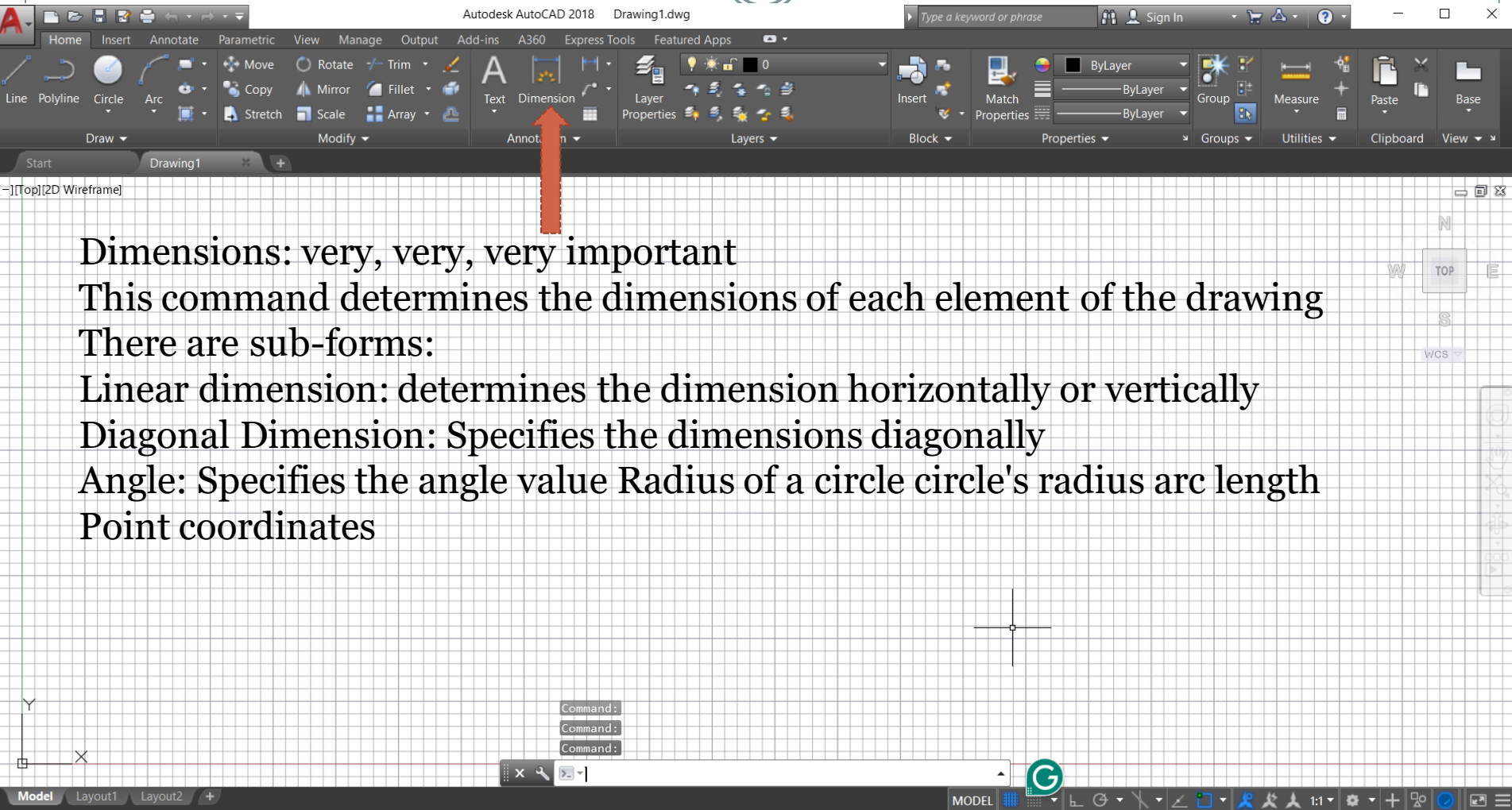
Delete duplicate command
This command deletes double lines
(duplicate in the same place (redundant))
(which will not appear in print at all)
(which will not appear in print at all)

Command join: (twin - untie) it reverses its role
This command connects separate parts, such as lines, for example
It can be activated from this icon or by typing Join in the command bar
After that, select the parts you want to connect and then press Enter

Model Layout1 Layout2

MODEL

Annotation: Dimensions



Dimensions: very, very, very important

This command determines the dimensions of each element of the drawing

There are sub-forms:

Linear dimension: determines the dimension horizontally or vertically

Diagonal Dimension: Specifies the dimensions diagonally

Angle: Specifies the angle value Radius of a circle circle's radius arc length

Point coordinates

Annotation: Text

