

# Content Creation

## Part 4 – Graphical Settings and Final Touches



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# Sessions

1. Planning it out
2. Reference planes, geometry and constraints
3. Parameter, formulae and coding
4. Graphical settings and final touches

## **Advanced techniques**

- Parametric arrays
- Lookup tables
- Etc.



# See it as this...

1. Method
2. Framework
3. System
4. Polish



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## Advanced techniques

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- Etc.

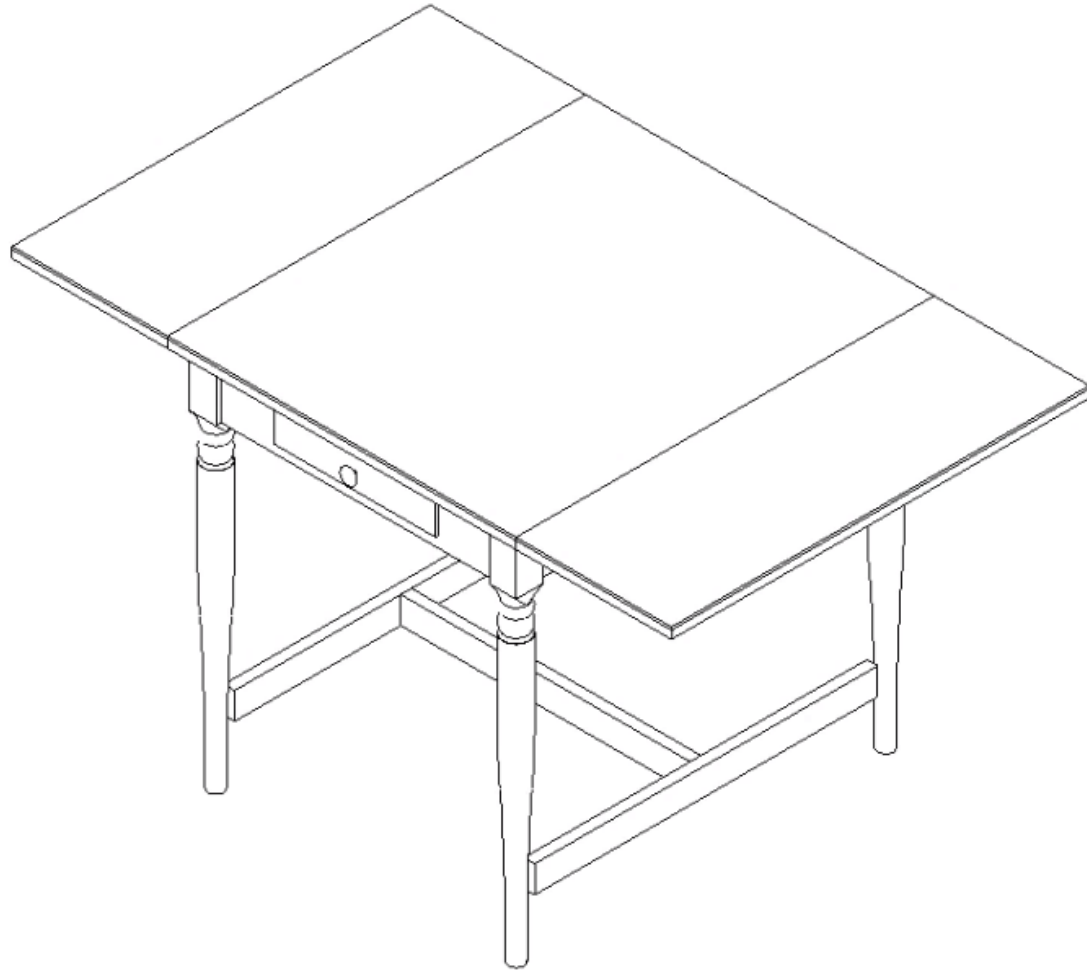


# Where we're at currently

## From Part 3



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Family Types

Type name: 650Wx780Dx730H

Search parameters

Parameter	Value	Formula	Lock
<b>Constraints</b>			
Default Elevation	1219.2	=	<input type="checkbox"/>
<b>Text</b>			
GC_General_Author1	Gavin Crump	= "Gavin Crump"	<input type="checkbox"/>
<b>Materials and Finishes</b>			
GC_General_Material1	Cherry	=	<input type="checkbox"/>
GC_General_Material2 (default)	Laminate, White	=	<input type="checkbox"/>
GC_General_Material3	Brass	=	<input type="checkbox"/>
<b>Dimensions</b>			
GC_Dimensions_Depth1	780.0	=	<input type="checkbox"/>
GC_Dimensions_Height1	730.0	=	<input type="checkbox"/>
GC_Dimensions_Width1	650.0	=	<input type="checkbox"/>
<b>Data</b>			
GC_General_Group1	1	=	<input type="checkbox"/>
GC_General_Loose1	<input checked="" type="checkbox"/>	=	<input type="checkbox"/>
<b>Visibility</b>			
Folded up (default)	<input type="checkbox"/>	=	<input type="checkbox"/>
<b>Other</b>			
Counter thickness	20.0	= 20 mm	<input type="checkbox"/>

Manage Lookup Tables

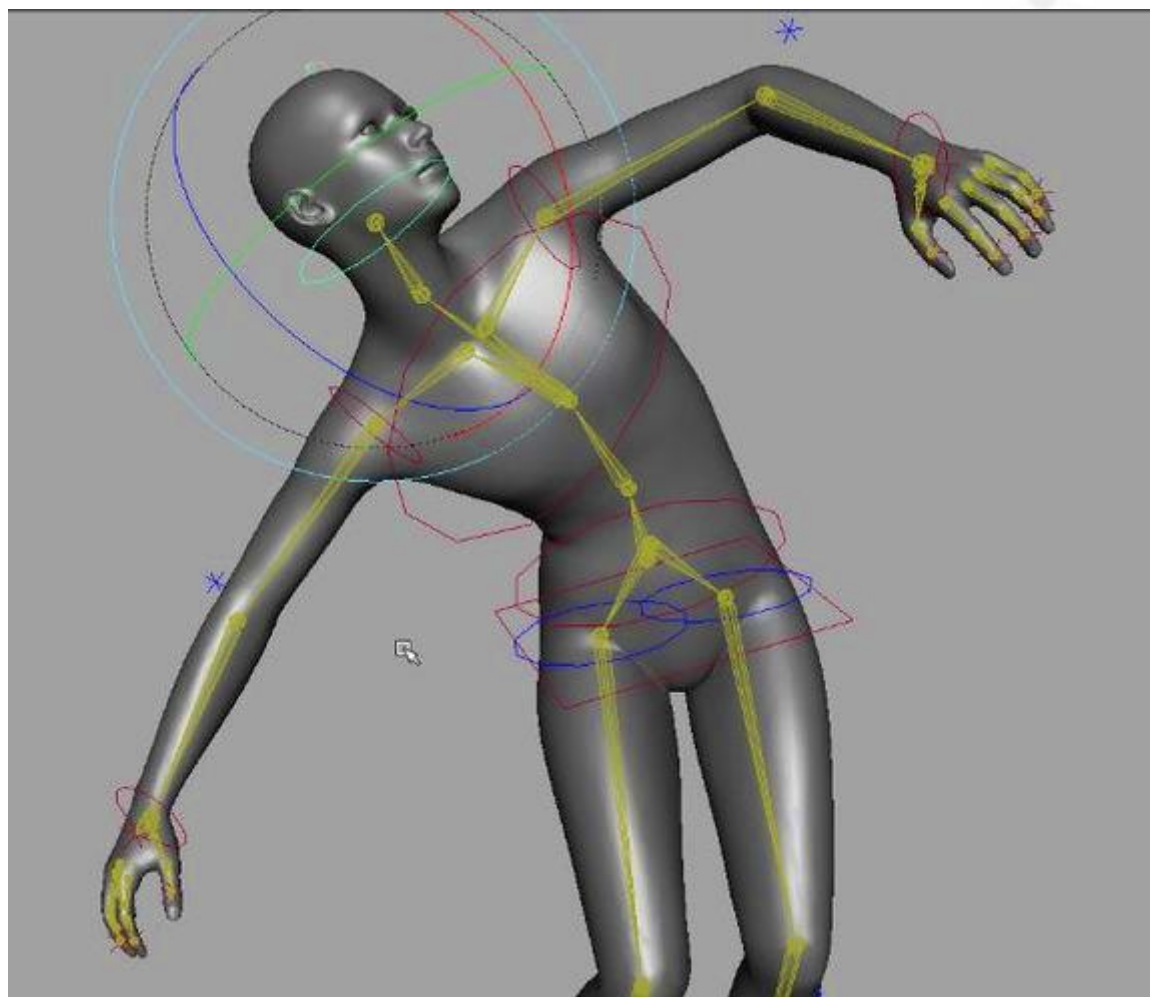
[How do I manage family types?](#)

OK Cancel Apply



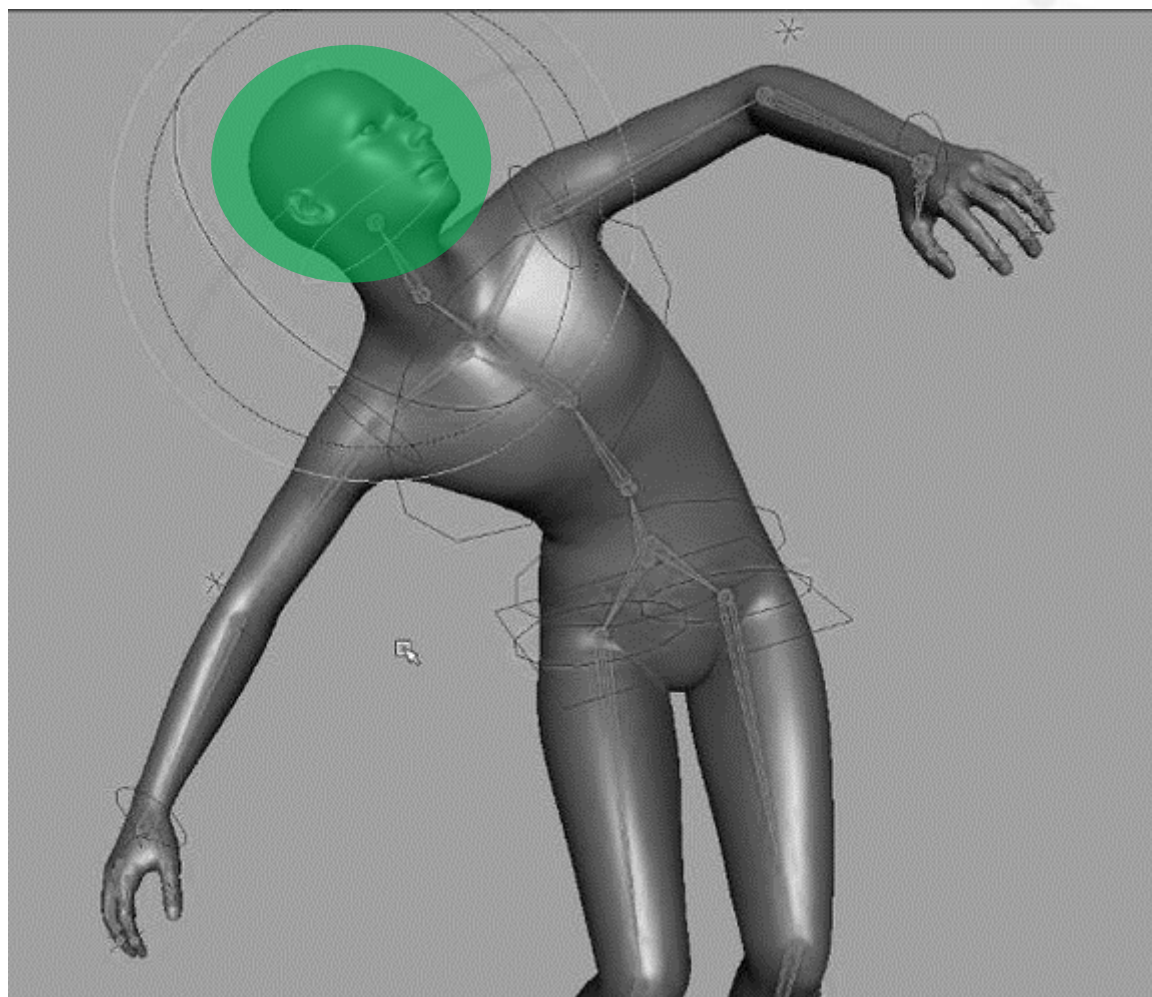
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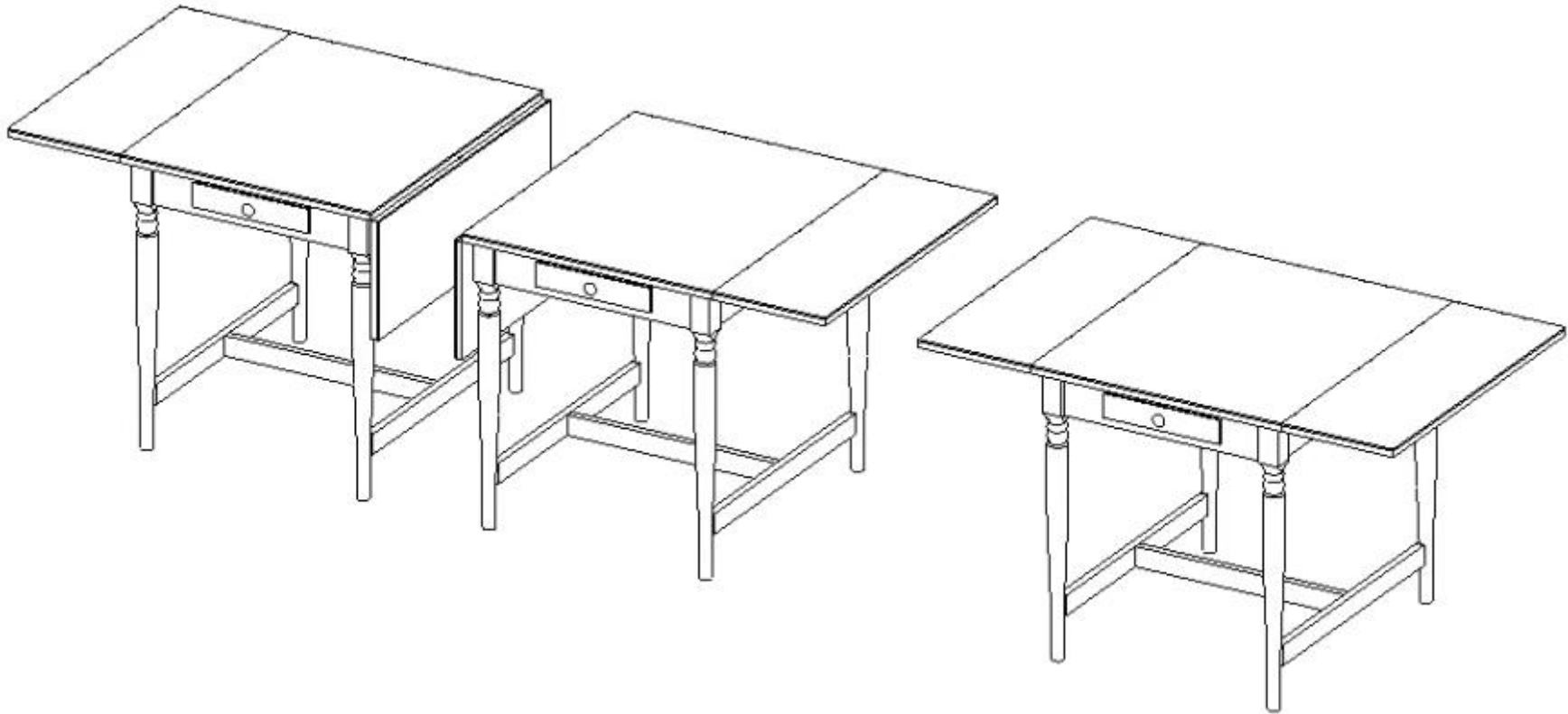
# Graphics and Visibility

Making the family presentable



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# Making it Move



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# 2 Options

## Option 1

Model open/closed  
separately

Visibility parameters

Easier

## Option 2

Model one leaf  
As a nested family

Adjustable angle

Harder



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A background network diagram consisting of numerous grey dots connected by thin grey lines, forming a complex web-like structure that fills the right side of the slide.

# Without further ado...

Let's make it move!

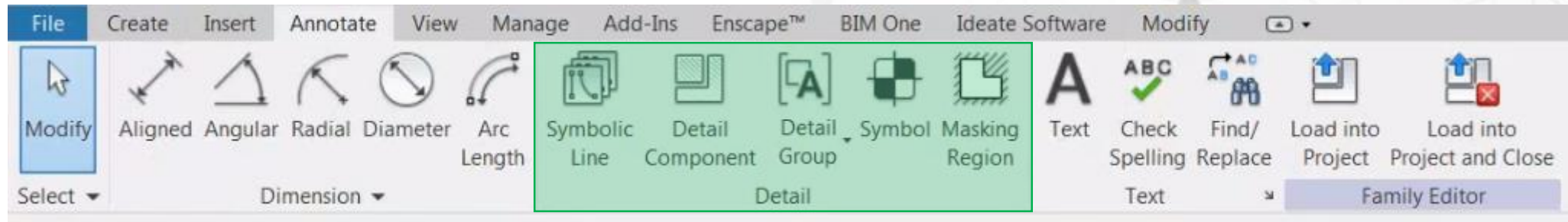


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# 2D/3D representation

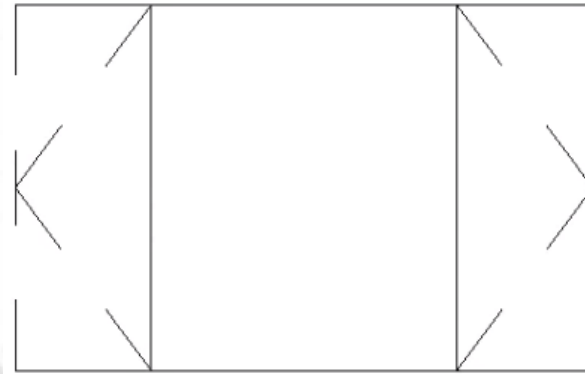
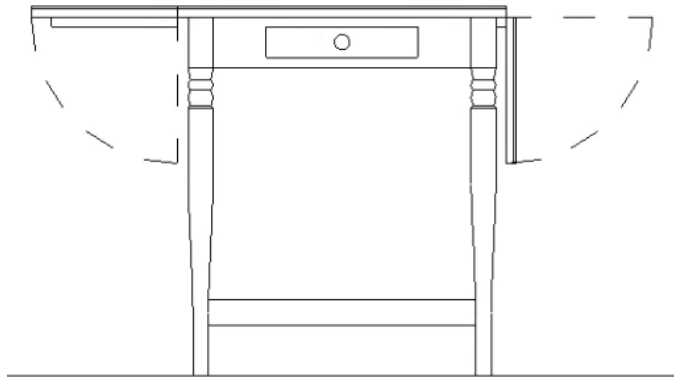
Hiding the 3D graphic and showing 2D representation can significantly increase model performance.





# 2D symbology

2D graphics can also be used to enhance the family from a communication perspective.

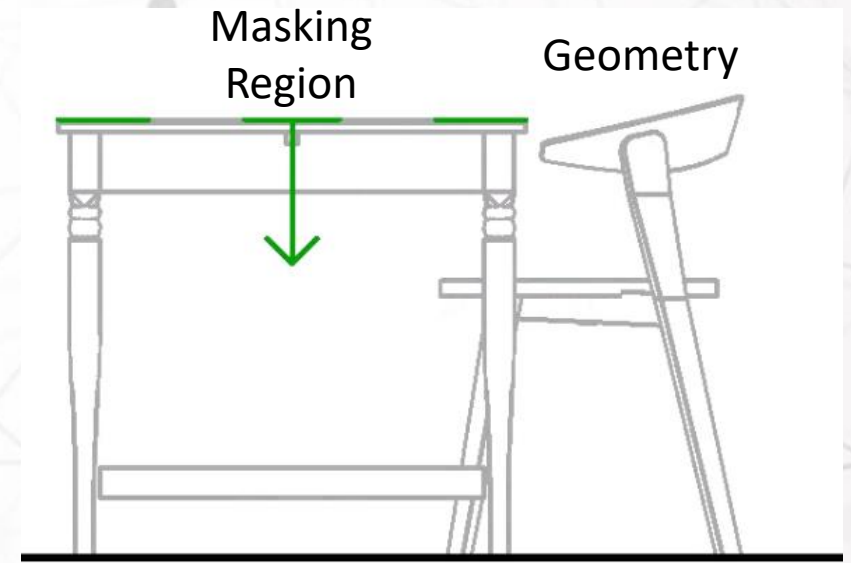
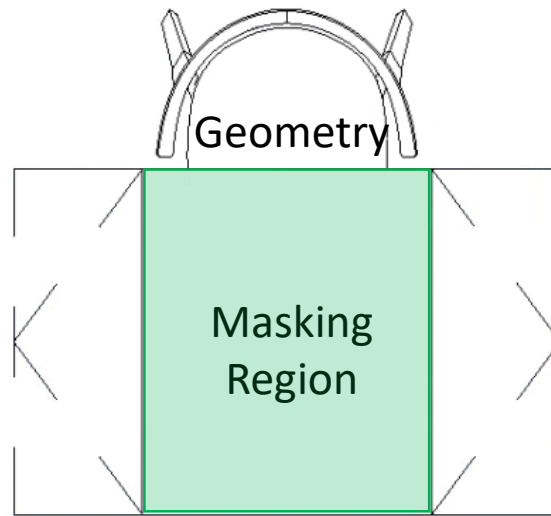
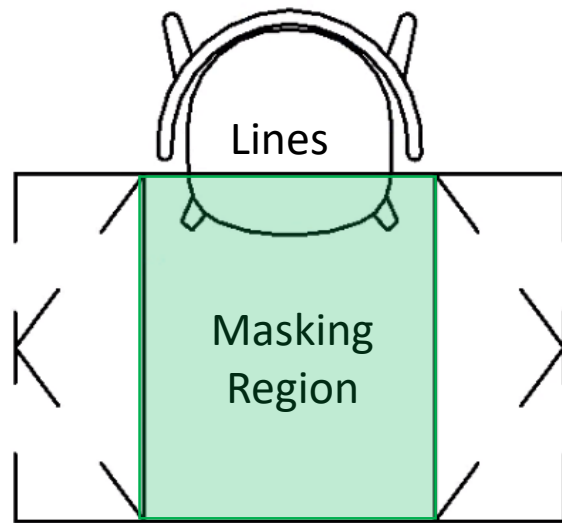


# 2D Hierarchy

Lines/Filled Regions

Masking Regions

Geometry



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A background network diagram consisting of numerous grey dots connected by thin grey lines, forming a complex web-like structure that fills the right side of the slide.

# Without further ado...

## Let's set up some graphics!



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