



Content Creation

Part 3 – Parameters, Formulae and Coding

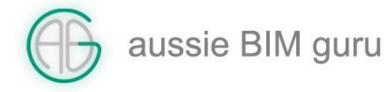


Sessions

- 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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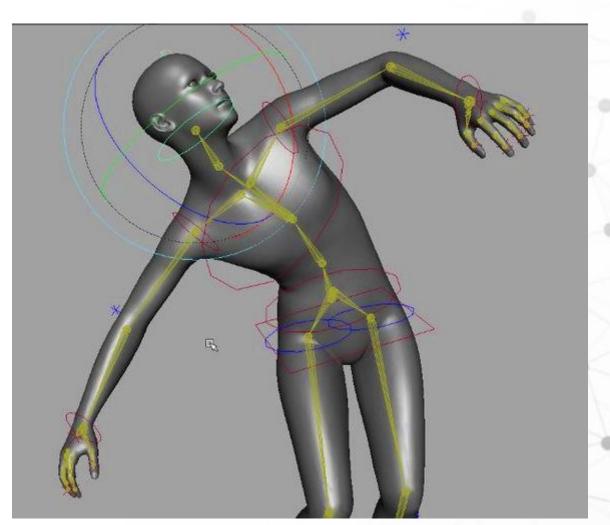
Where we're at currently

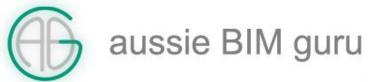
From Part 2

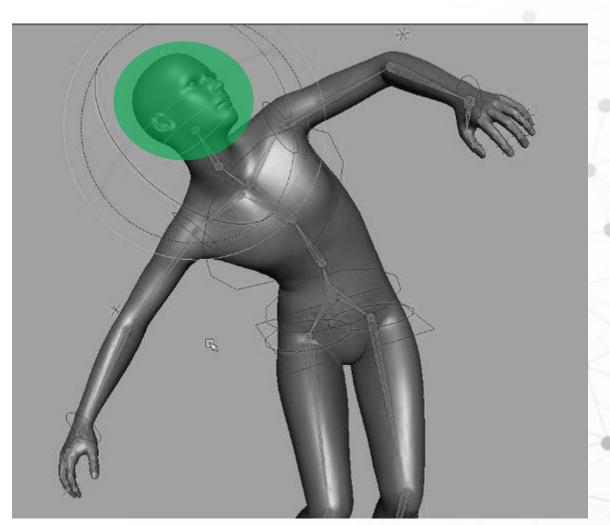














Parameters

The Brains behind the operation!



Parameters Types

It is important to use the write types of data for the right parameters.

Type of parameter:	
Length	▼
Text	
Integer	
Number	
Length	
Area	
Volume	
Angle	
Slope	
Currency	
Mass Density	
URL	
Material	
Image	
Yes/No	
Multiline Text	
<family type=""></family>	





Critical to understand!

Type Parameters...

are set at a family type level.

E.g. Door leaf width/height

Instance Parameters...
are set a family instance level.
E.g. Door leaf finishes



Parameter Types we will Use

LengthWidth, Depth, Height

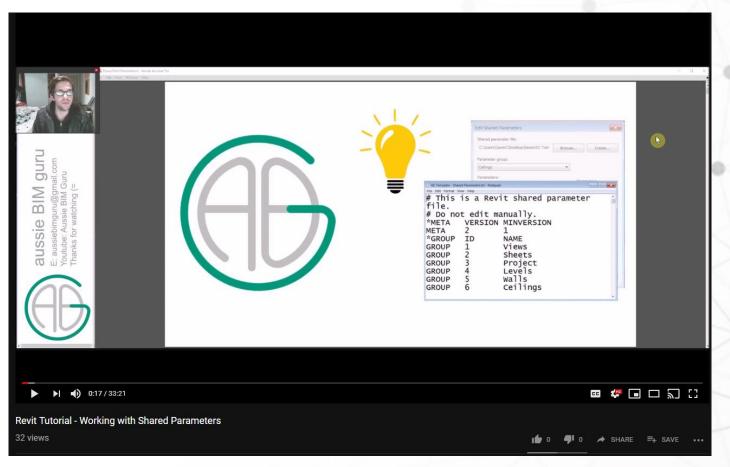
Text Coding

Material Finishes

Yes/No
Table folding ability



Shared Parameters





Nested Parameters

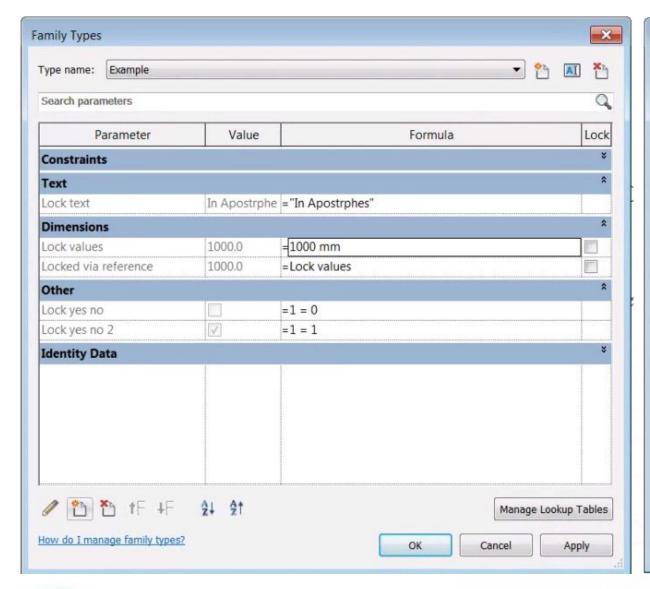
Properties		×
5a - Leg Geon Leg	try 2	-
Furniture (1)		▼ 🔠 Edit Type
Constraints		* *
Offset	0.0	
Work Plane	Level : Ref. Level	=
Graphics	***************************************	*
Visibility/Graphics Override	Edit	
Visible	✓	
Materials and Finishes		*
Leg material	<by category=""></by>	
Dimensions		* -
Properties help		Apply

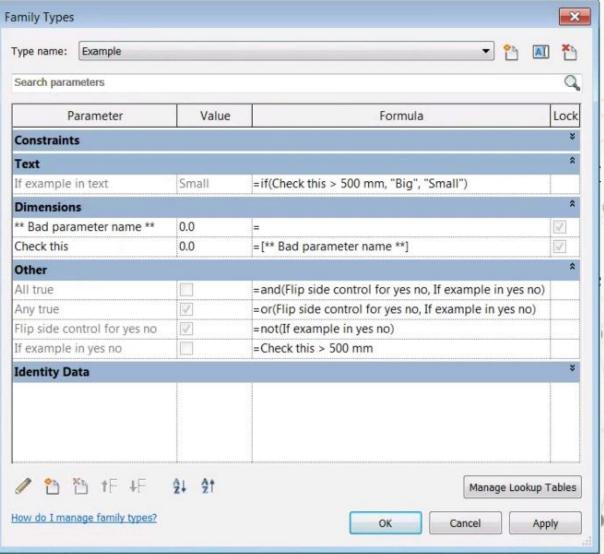


Useful Parameter Formulae

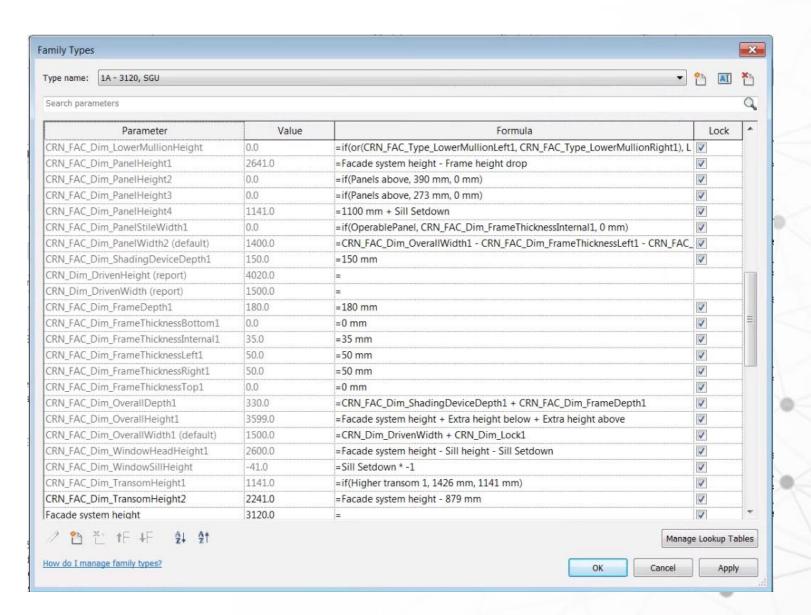
Adding some smarts to the parameters













Coding Systems

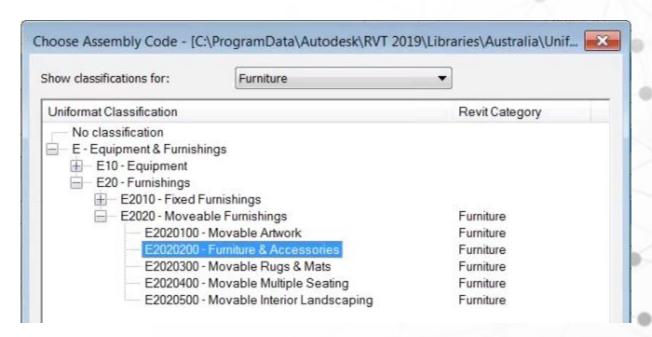
Classifying the Family



Assembly Codes - Uniformat

Location of file;

....\ProgramData\Autodesk\RVT 20XX\Libraries\Australia\UniformatClassifications.txt

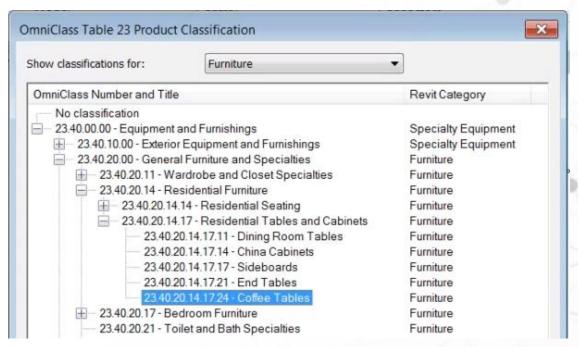




Omniclass Number – Table 23

File is loaded by default to all families

www.omniclass.org/





Without further ado...

Let's set up some parameters!



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