Modifying global vars:

<https://stackoverflow.com/questions/35261504/modify-a-solidworks-global-variable-value-c-sharp>

<https://www.codestack.net/solidworks-api/document/change-global-variable-value/>

Running simulations:

Collecting results:

Things to do:

Inputs:

d/b

Top and bottom bounds for: t, d, h, w, x

Number of iterations for each var

Steps for each:

Loop()

Keep d and b constant, iterate through all other variables with whatever ranges necessary

Collect results of Buckling Mesh Factory of Safety into array

Step d by increment

Solve for b that maintains d/b as constant

Run study

Plan of attack 2/16/2022

Change global vars based on calculations

Take simulation data and append to .csv file

2/9/2022 Plan of attack

Reset “increment” on every first run of the for loop

Change run\_simulation to have an output value (buckling\_fos)

Modified 2/21/2022

CreateCSV

Append2CSV