

#Function definition to set up default settings

def SaverSettings():

#Place to save the results to

FolderName = "Default"

#(string) This defines the folder (and potentially subfolders) the

#data will be saved in (if "Default" then a predetermined the data

#will be saved in a predetermined folder structure)

#Example input "MyShape/MyFrequencySweep"

return FolderName

#Function definition to set up parameters relating to solving the problems

def SolverParameters():

#Parameters associated with solving the problem can edit this

#preconditioner to be used

Solver = "bddc"

#(string) "bddc"/"local"

#regularisation

epsi = 10-10**

#(float) regularisation to be used in the problem

#Maximum iterations to be used in solving the problem

Maxsteps = 1500

#(int) maximum number of iterations to be used in solving the problem

#the bddc will converge in most cases in less than 200 iterations

#the local will take more

#Relative tolerance

Tolerance = 10-8**

#(float) the amount the residual must decrease by relatively to solve

#the problem

#print convergence of the problem

ngsglobals.msg_level = 0

#(int) Do you want information about the solving of the problems

#Suggested inputs

#0 for no information, 3 for information of convergence

#Other useful options 1,6

return Solver,epsi,Maxsteps,Tolerance