

**AUSTRALIAN DEFENCE FORCE ACADEMY
SCHOOL OF
AEROSPACE AND MECHANICAL ENGINEERING**

**Course: AMEC 3508 Mechanics of Solids 2B
AMEC 3706 Aircraft Structures 1B**

Assignment #1 DEST DATA

**F=5000 N
ALPHA=30/180* π
Rin=0.02 m
Rout=0.023 m
h1=2 m
h2=1.4 m
L4=2.8 m
L6=3.1 m
L10=3.2 m
E=73 GPa**

The above variables will be passed in to your function with the following syntax:

RES=A1_YourStudentID(E,Rin,Rout,h1,h2,L4,L6,L10,F,ALPHA)

You can download the **RESTEST** structure and the above input variables from Leofric:

“cp /home/ugrad2/murat/matlab/a1testdata.mat .” <ENTER>

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without the quotes!!

You can also download a function to plot the truss:

“cp /home/ugrad2/murat/matlab/plottruss.m .” <ENTER>

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