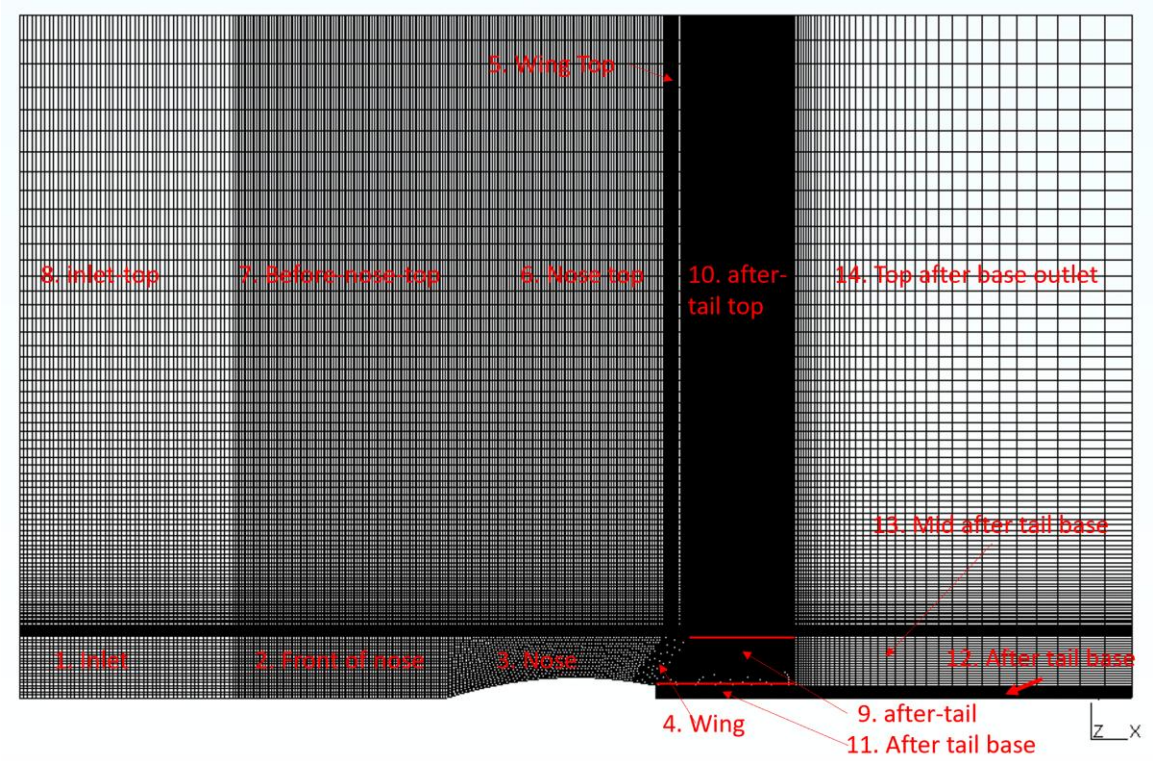
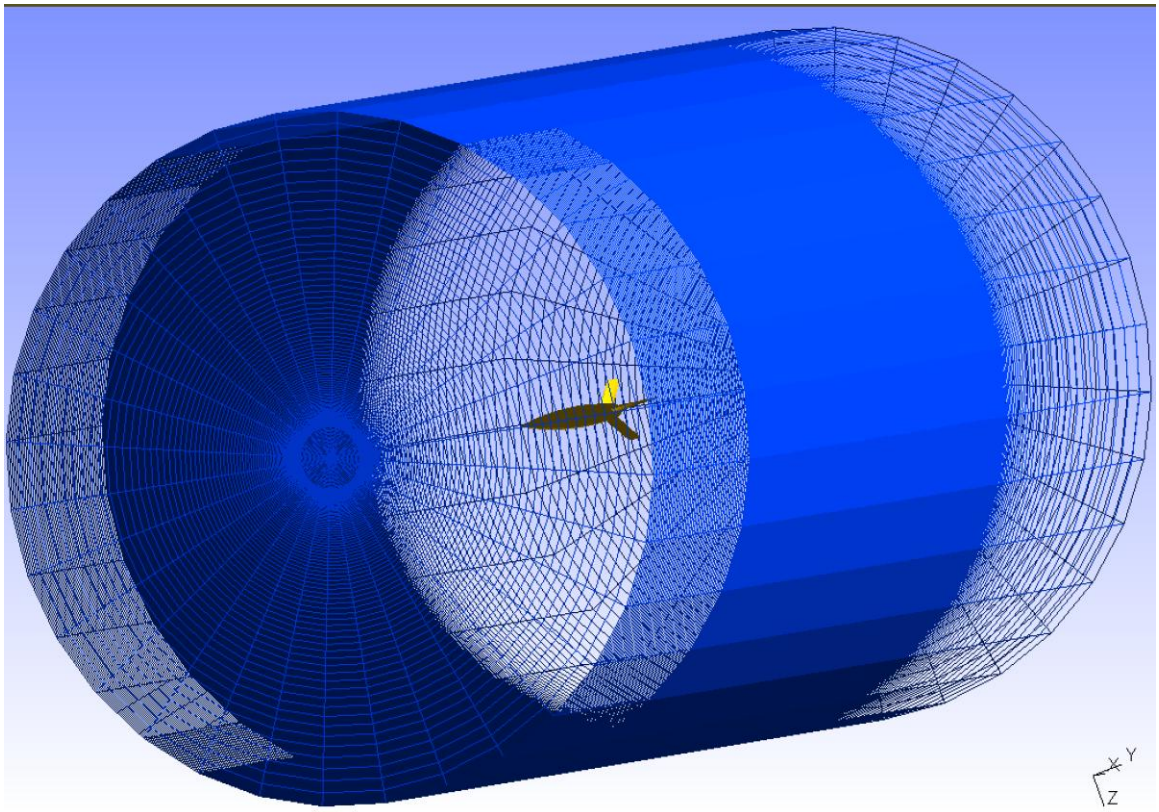
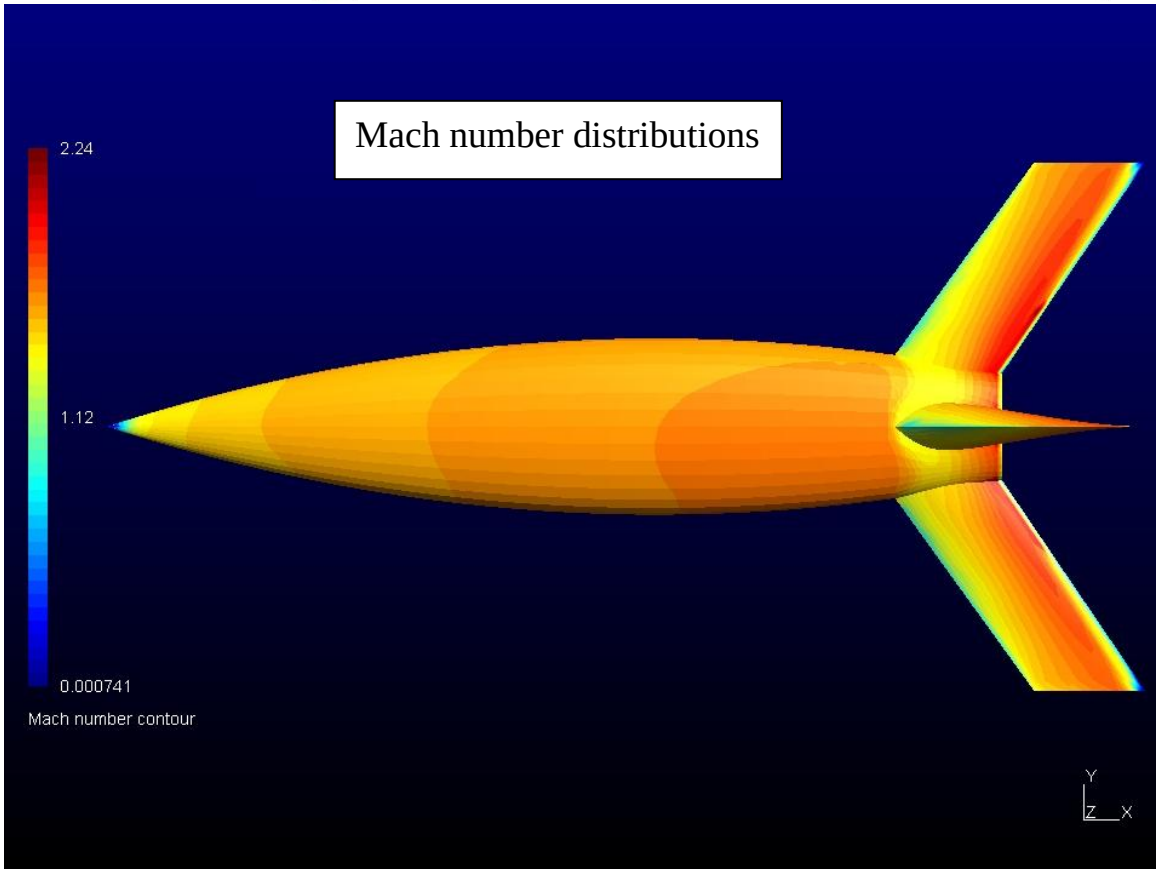
Problem: Mach 1.62 flows past NACA RM-10 missile at 2^{o} angle of attack.

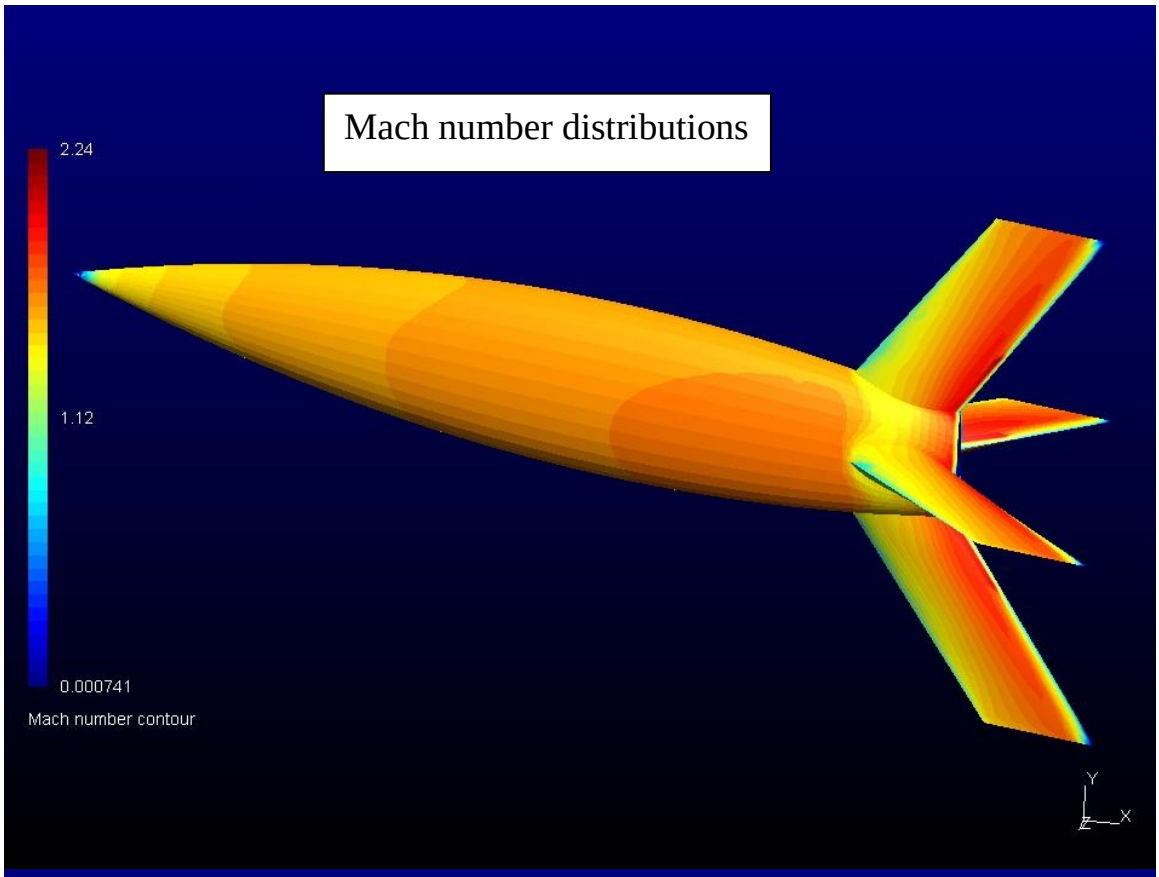
* 2D mesh consists of 42840 elements and 42921 nodes
* 25 minutes to generate the 2D mesh
* Assign wing and tail surface
* Sweep 2D mesh around axis to generate 3D mesh
* 3D mesh includes 1,356,832 cells and 1,365,940 nodes.
* 64 pyramids, 9280 prisms and 1,347,488 hexahedrons

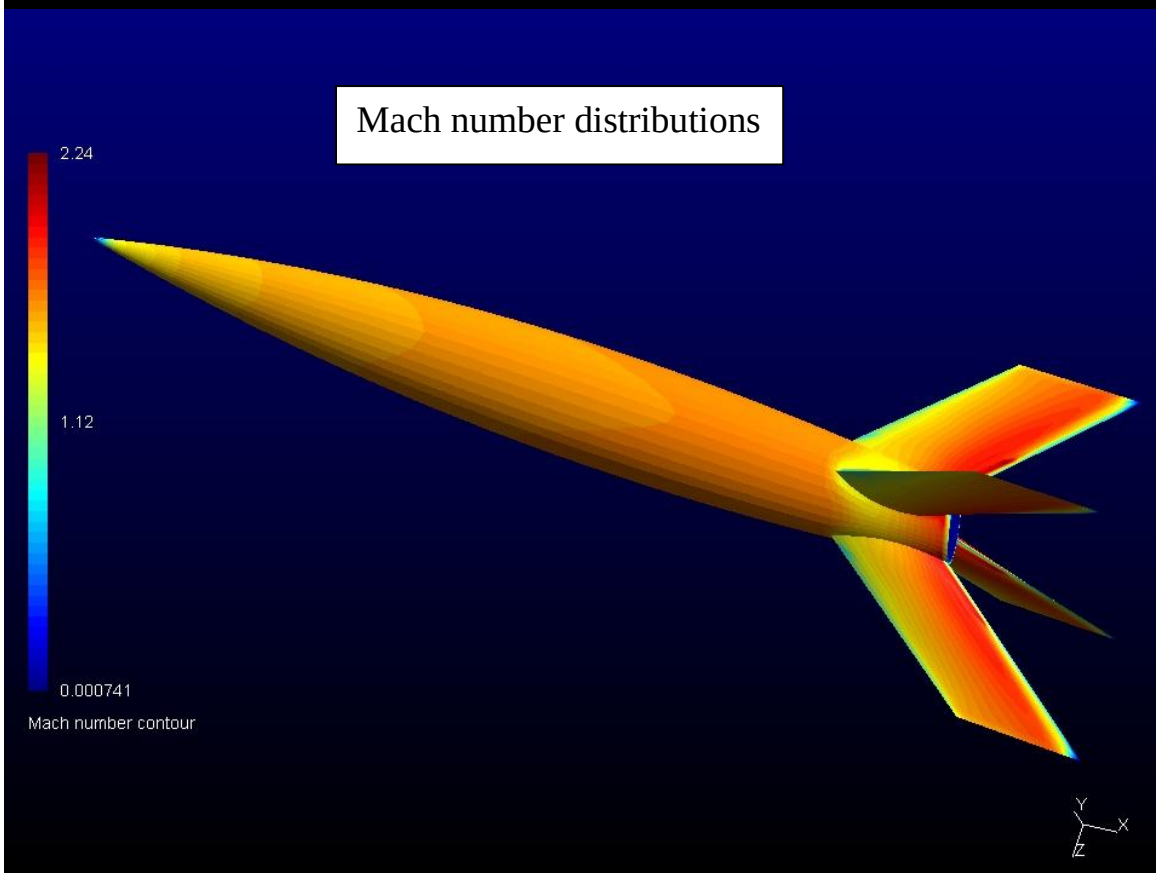


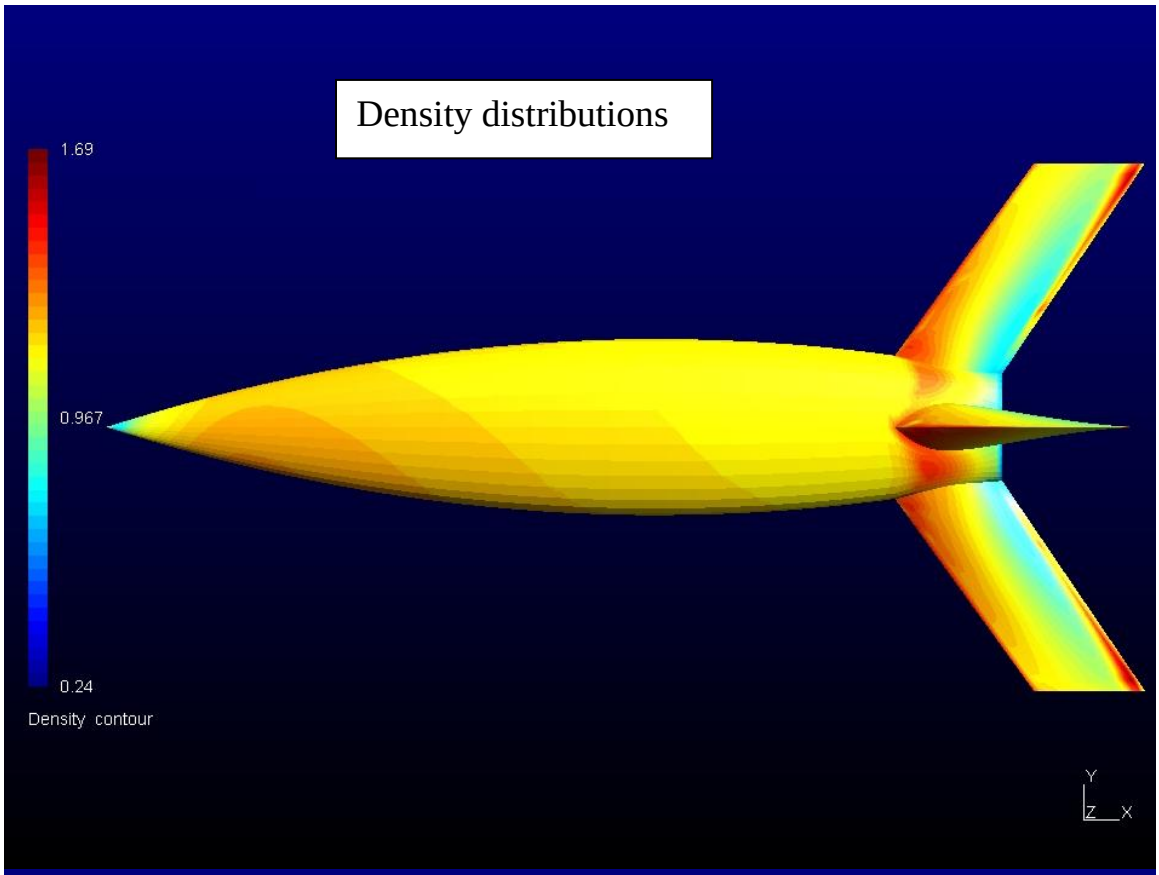
	Aplha (Degrees)	cdy	Xcp(meter)
Inviscid	2.00	0.40	0.1548
Experiemntal data	2.00	0.35	0.1524

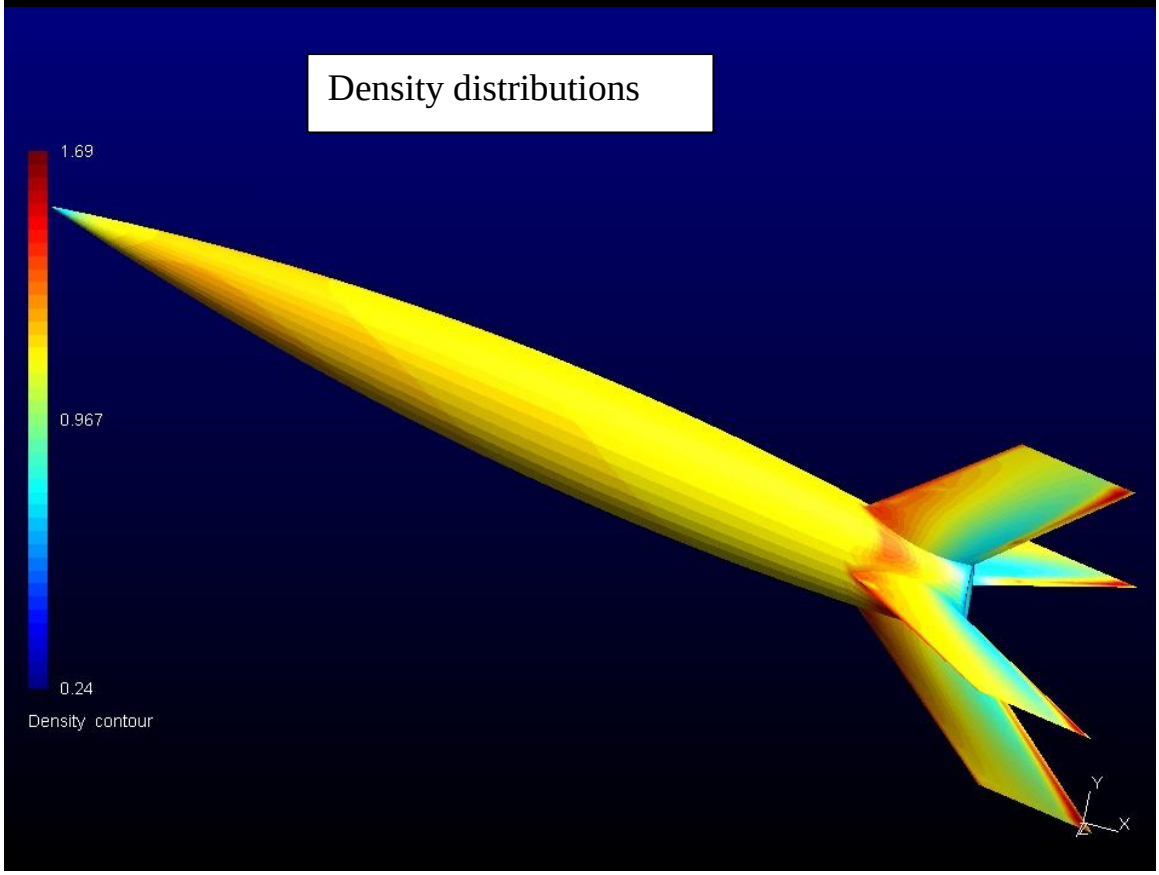

Y
X
Z

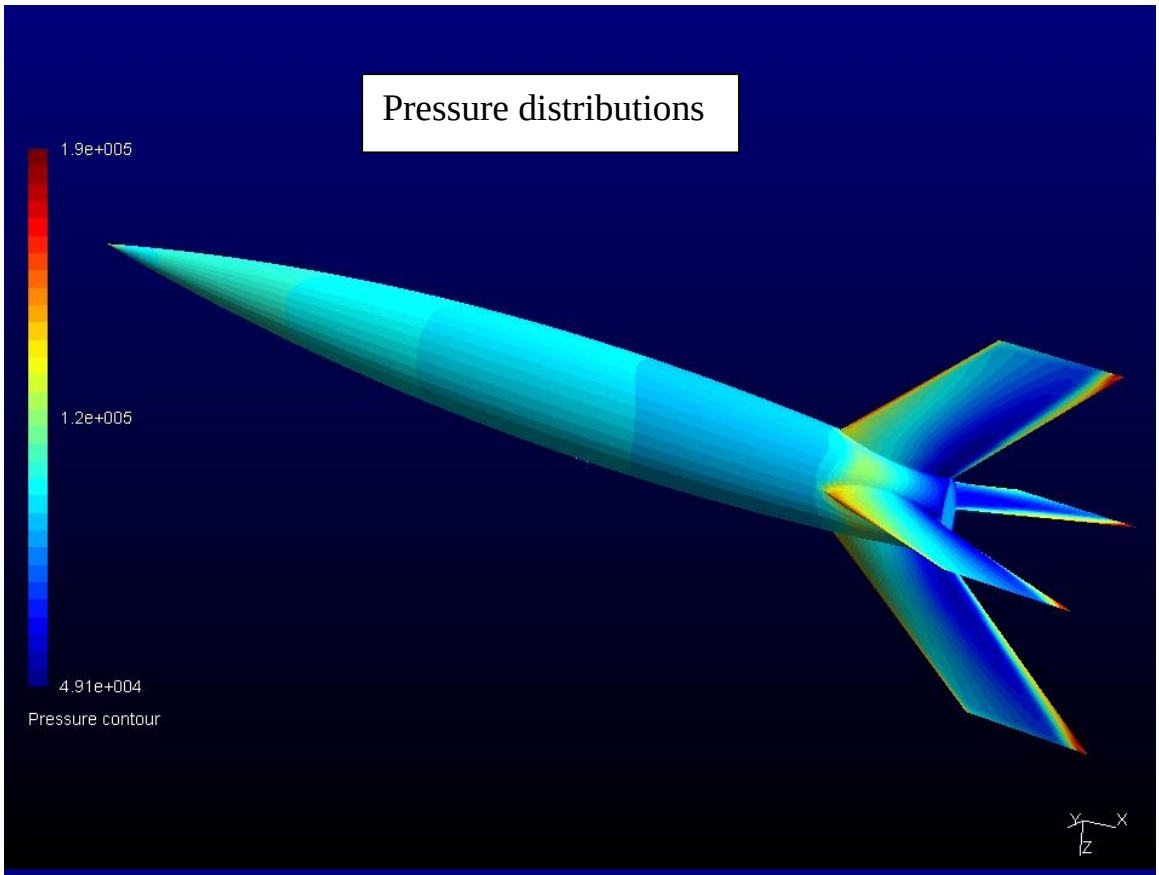

Mach number distributions
2.24
1.12
0.000741
Mach number contour
Y
Z
X

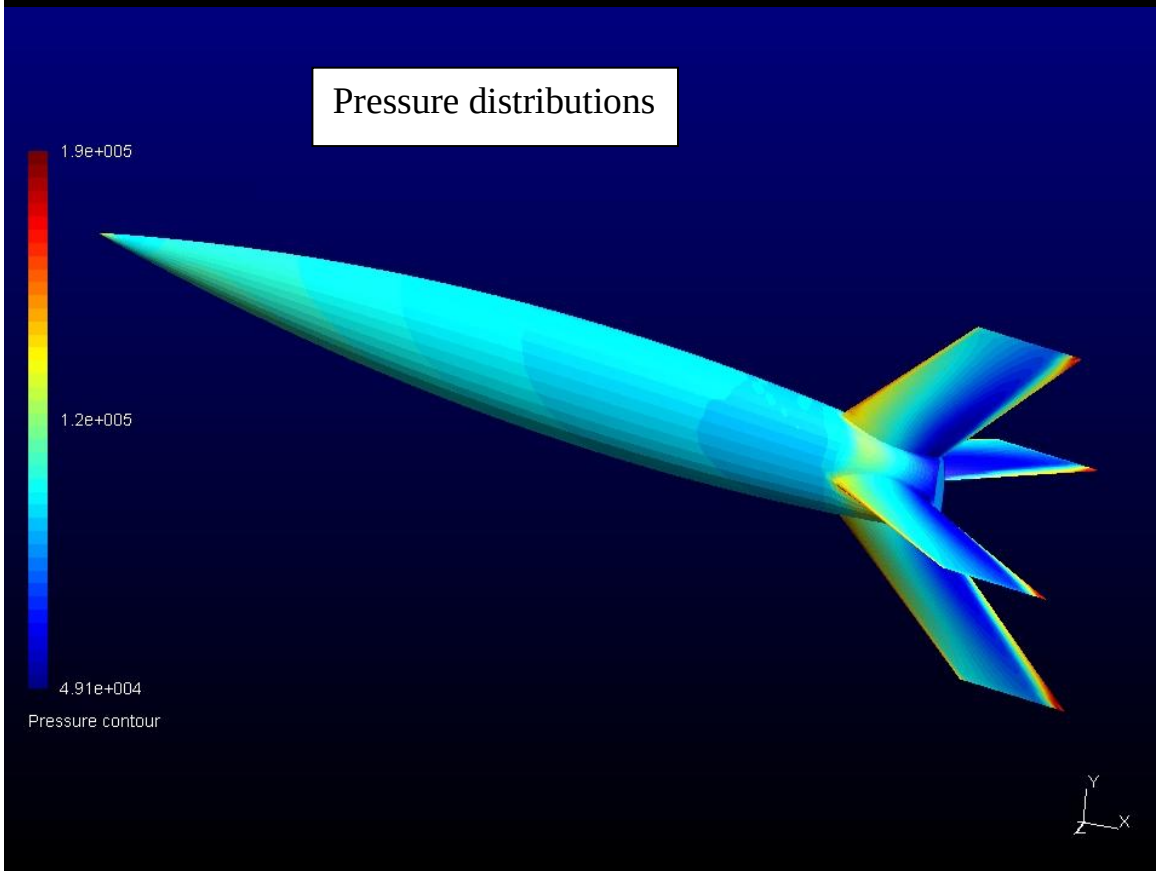

Mach number distributions
2.24
1.12
0.000741
Mach number contour
Y
X
Z


Mach number distributions
2.24
1.12
0.000741
Mach number contour
Y
X
Z


Density distributions
1.69
0.967
0.24
Density contour
Y
Z
X


Density distributions
1.69
0.967
0.24
Density contour
Y
X


Pressure distributions
1.9e+005
1.2e+005
4.91e+004
Pressure contour
Y
X
Z


Pressure distributions
1.9e+005
1.2e+005
4.91e+004
Pressure contour
Y
X
Z