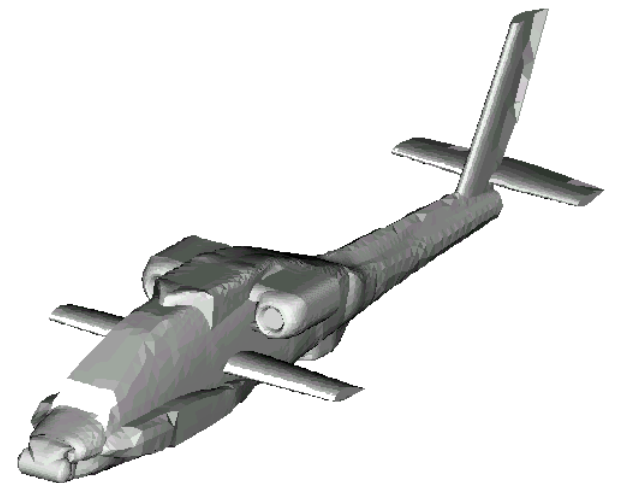
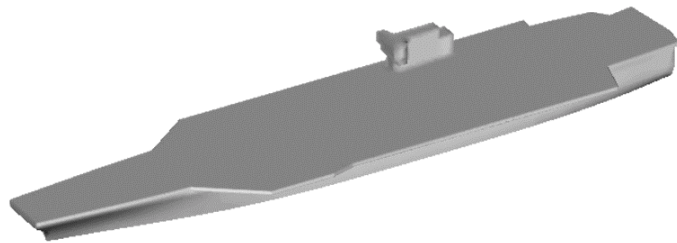




An Overview of Steps involved in a typical Computational Flow Simulation

Anirudh Modi

4/1/2000

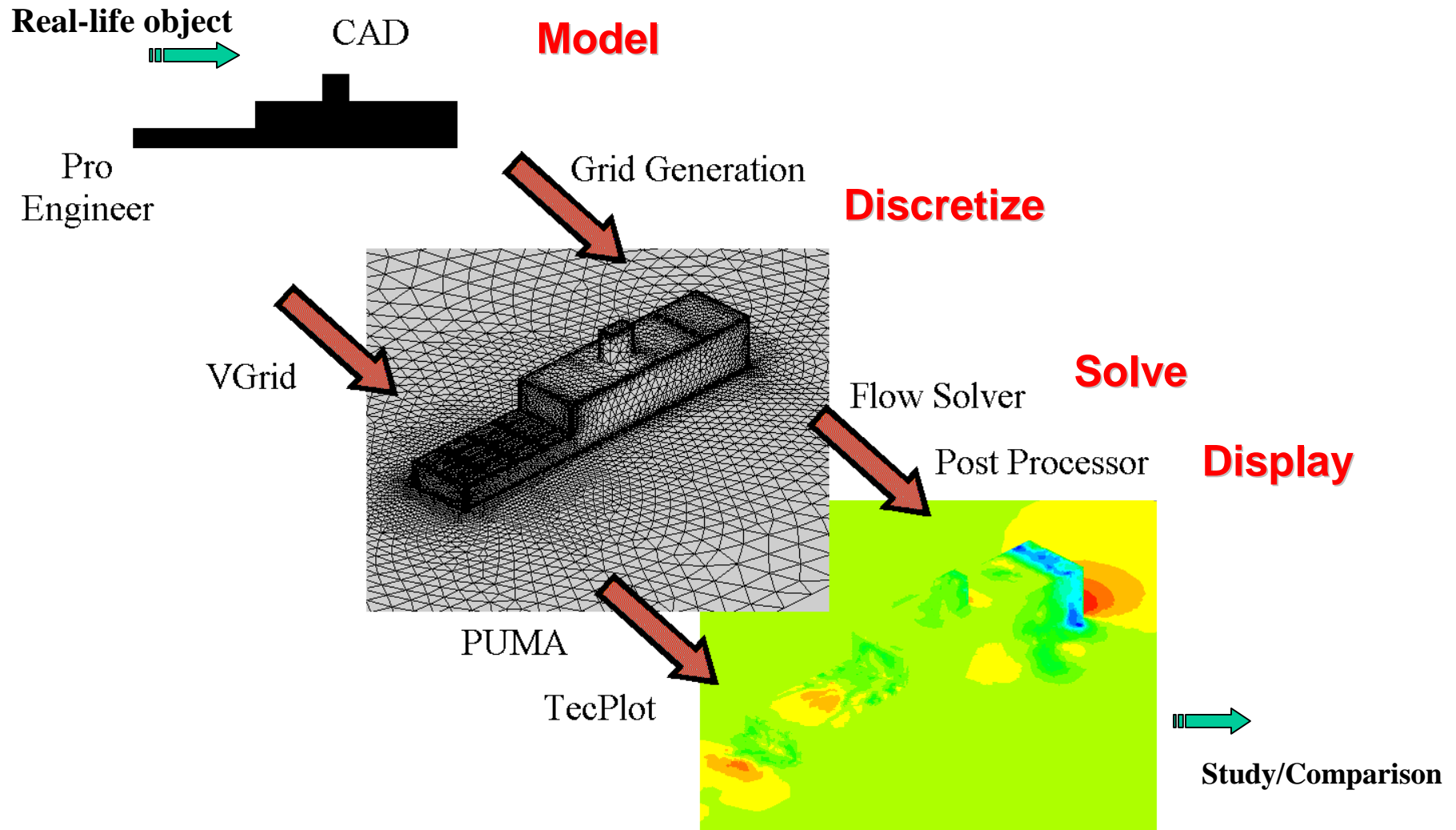


OUTLINE



- Introduction
- Solution Process
- Examples
- Questions?

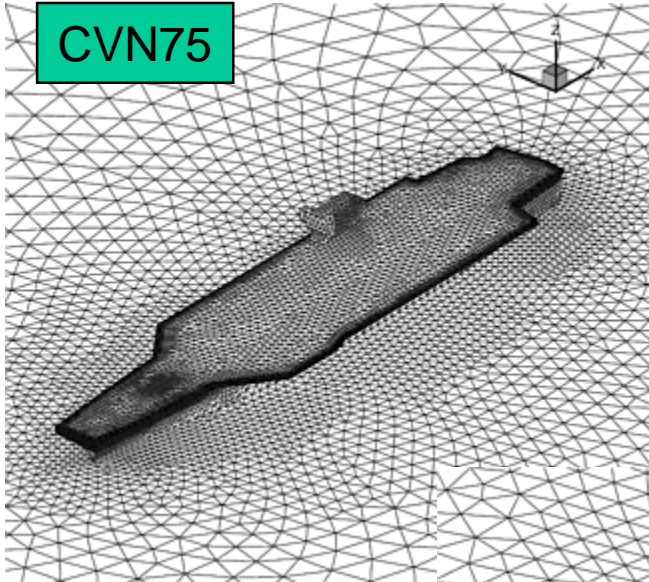
Design to Solution



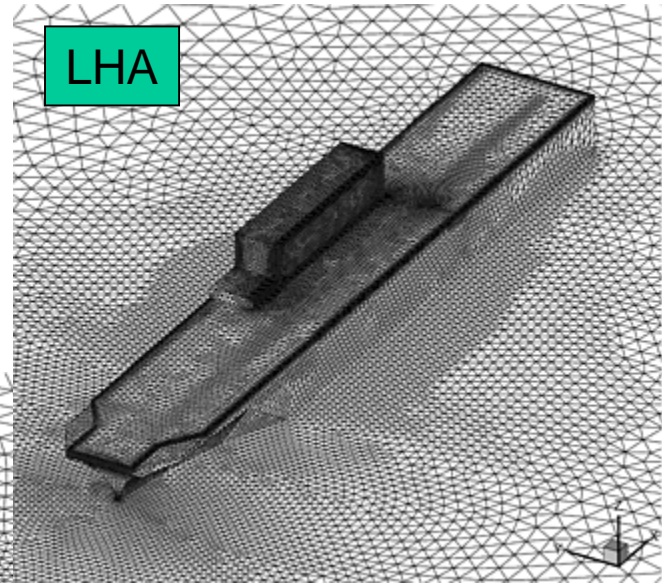
Example: Grid Samples



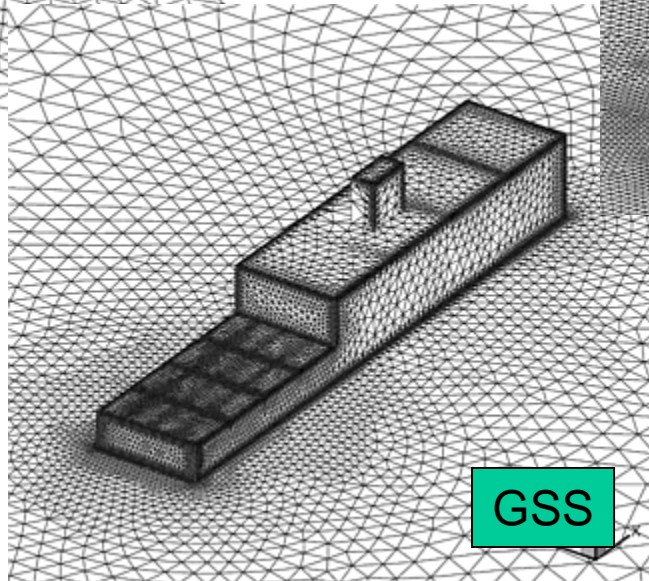
CVN75



LHA

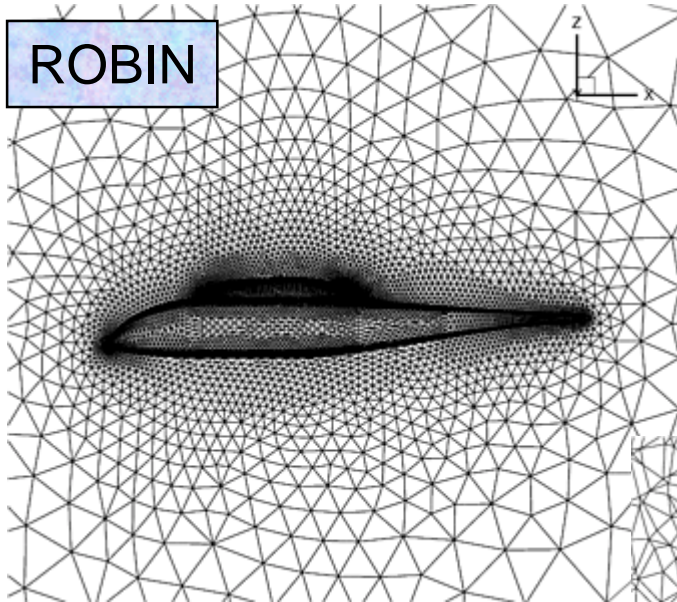


GSS

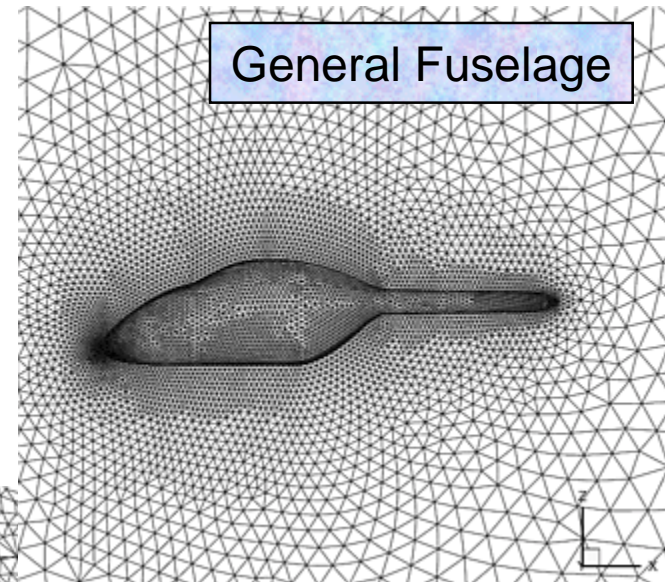


Ship
Configurations

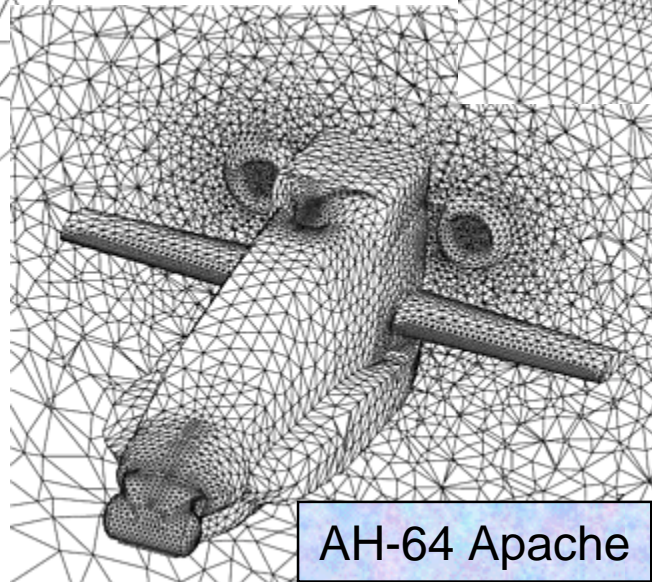
Example: Grid Samples



ROBIN



General Fuselage



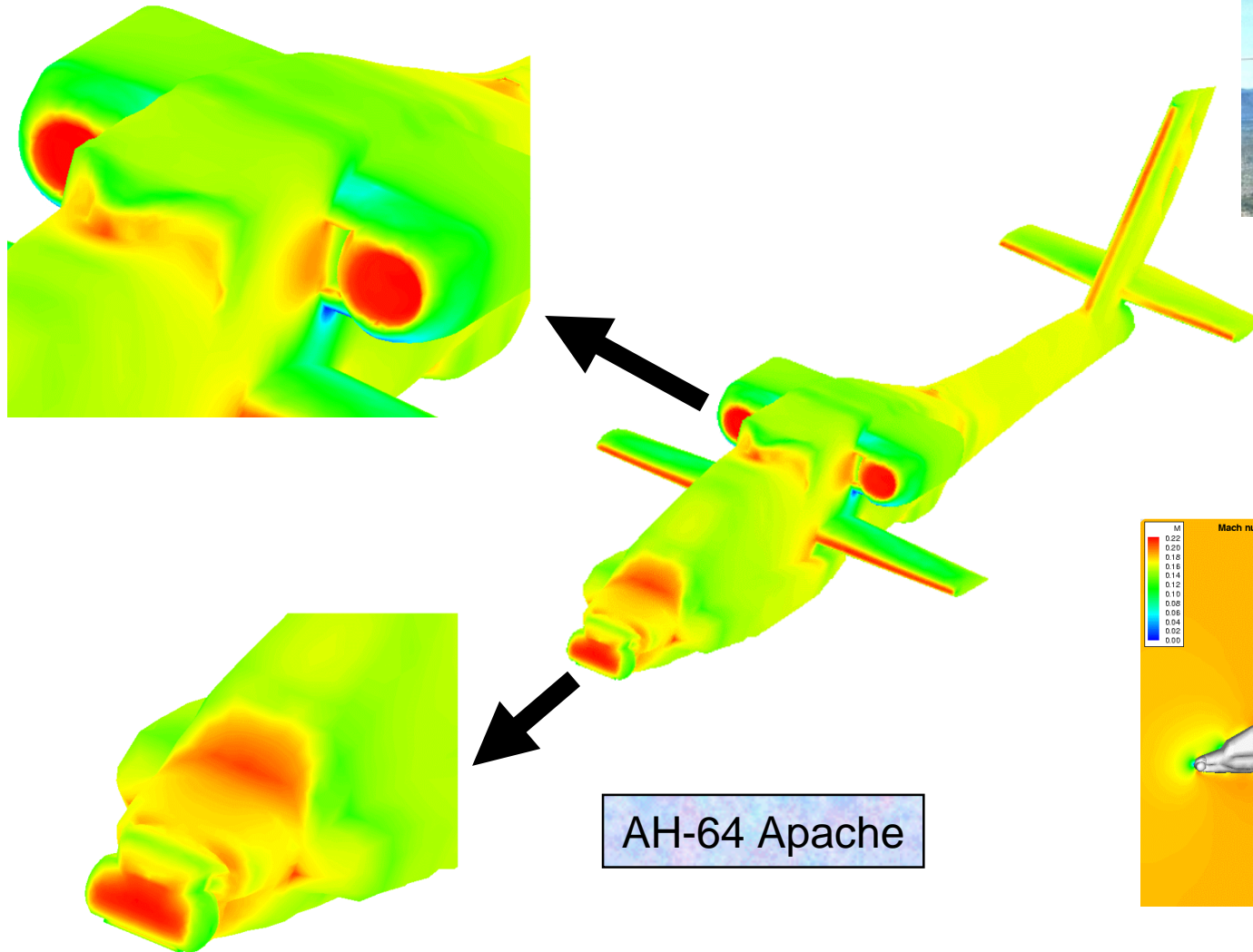
AH-64 Apache

Helicopter
Configurations

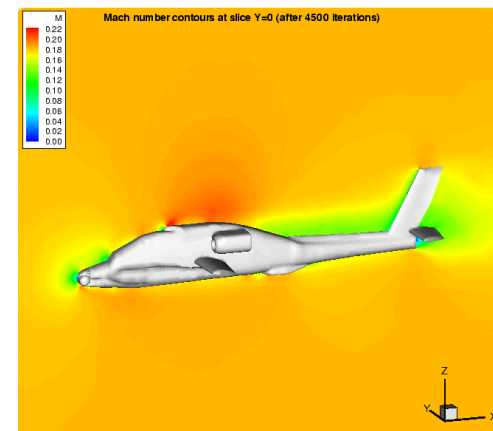
Example: Results



Actual Photograph

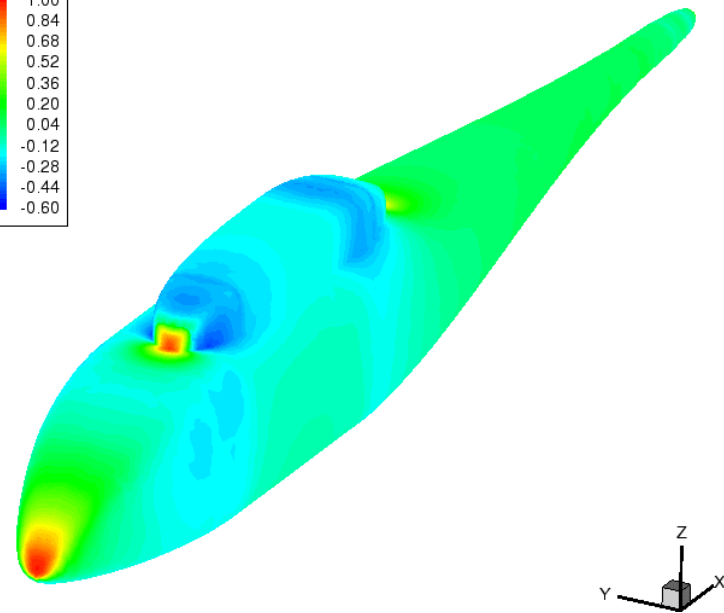
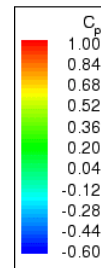
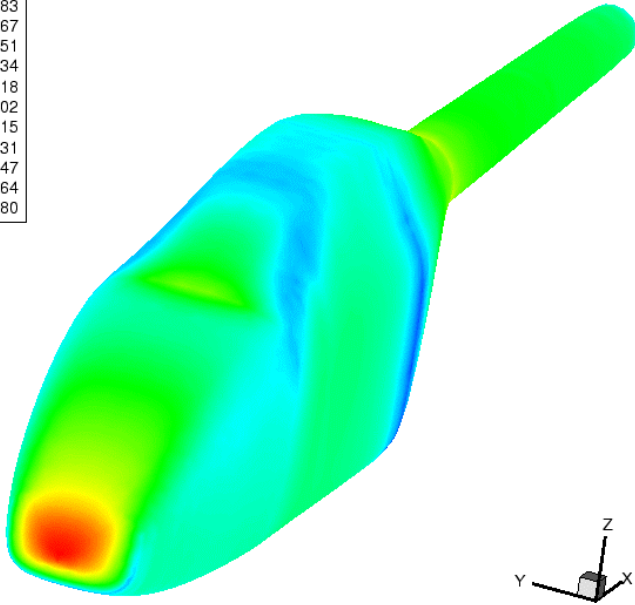
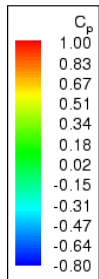


AH-64 Apache



Mach number contours at slice Y=0 (after 4500 iterations)

Example: Results



Helicopter Fuselage