

30P30N 2D RANS Worksheet: Please fill out before class

1. What type of domain will you use (rectangular, bullet, spherical, etc.)? _____
2. Dimensions for your domain? _____
3. How tall will you make your prism layer? _____
4. How large will you make the first cell in your prism layer? _____
5. How many cells will you use in prism layer? (see [this discussion](#)) _____
6. Base size? _____
7. Target surface size / Min surface size / Curvature on outer domain? _____
8. Target surface size / Min surface size / Curvature on airfoil? _____
9. Wake direction (x, y components)? _____
10. Wake spread angle? _____
11. Initial conditions (velocity vector)? _____
12. Freestream Mach/Pressure/Temperature? _____