

AAE520 Course Projects for 2014

Groups 1-5 report Monday, Groups 6-9 on Wednesday

1. Greg McKiernan and Roy Fisher, Roughness Strips on a Cone at Mach-6
2. Chris Zaseck, Jonathan Chrzanowski and Peter Renslow, Scramjet Flame Holders in 2-inch supersonic wind tunnel (SSWT) at Mach 2.0 and 3.6
3. Jesus Mares and Brandon Terry, Simulated Fuel Injection in 2-inch SSWT
4. Cameron Horton, Jonathan Fry and Andrew Davis, Flow regimes on an airfoil in the SSWT
5. Ilse Juarez and Ade Dillon, F-18 vortices in water tunnel
----- Projects 6-9 are all in the Boeing subsonic tunnel: -----
6. Chuoug Nguyen, Tian Qi Guo and Syed H. Hassan, Snake Aerodynamics
7. Ayah Zahour and Weixiao Shang, Upper Surface Spoilers/Vortex Generators to delay stall on a wing
8. Ethan McMillan, Paul Ciolek and Nick Hartwich, Effect of Vortex Generators on Controlling Flow over a Partial Streamlined Motorcycle.
9. An Vu and Stefen Lindorfer, Drag Reduction Effects of Formation Flight