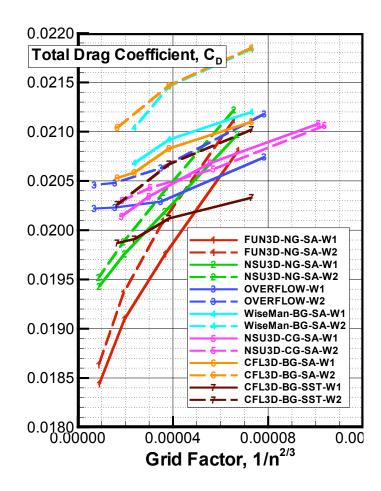


3rd AIAA CFD Drag Prediction Workshop **DPW-W1/W2 Data Summary and Comparison**

Tom Zickuhr

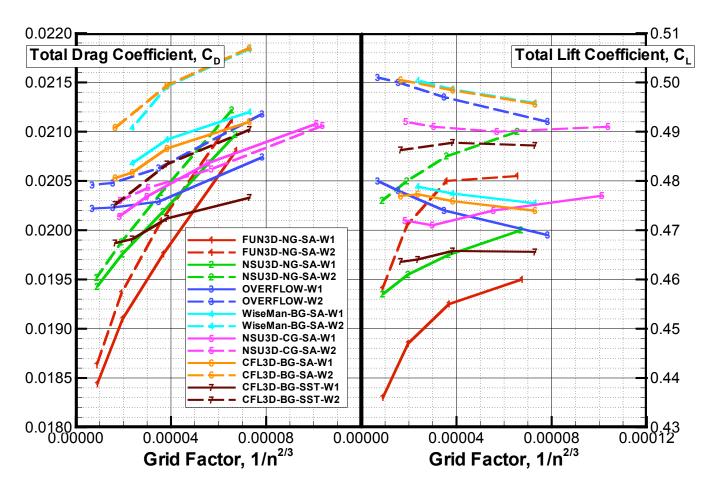


Total Coefficient Grid Convergence



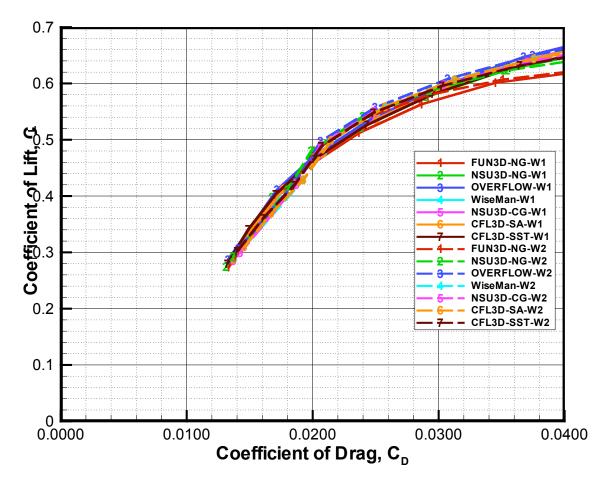


Total Coefficient Grid Convergence



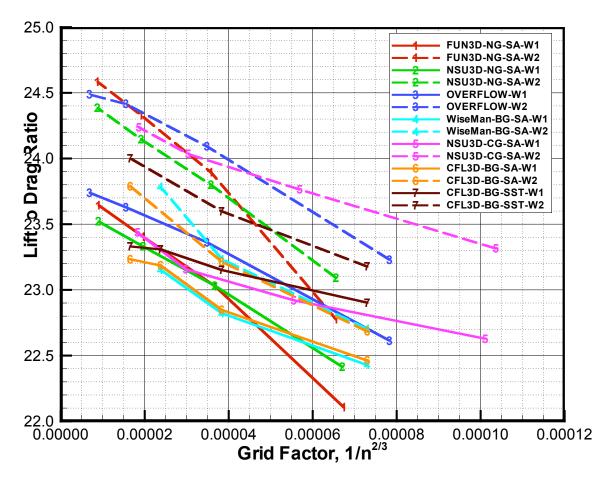


Drag Polar – L/D



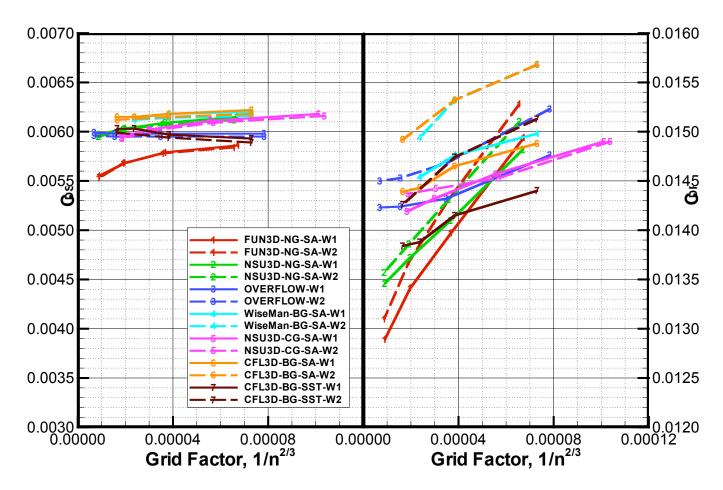


L/D Grid Convergence



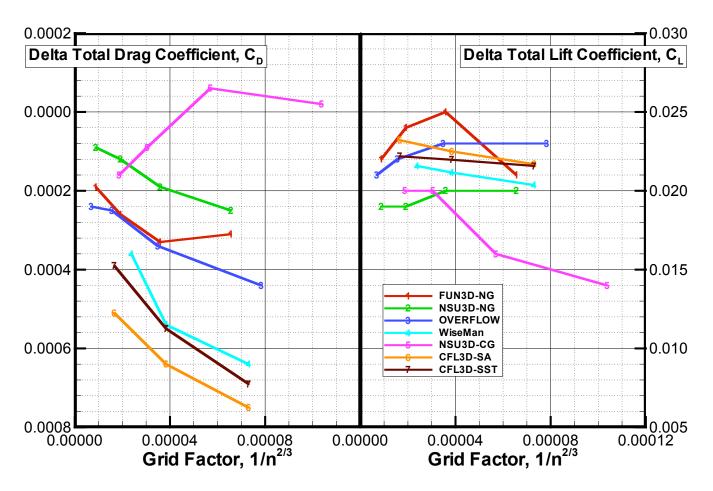


Drag Component Grid Convergence



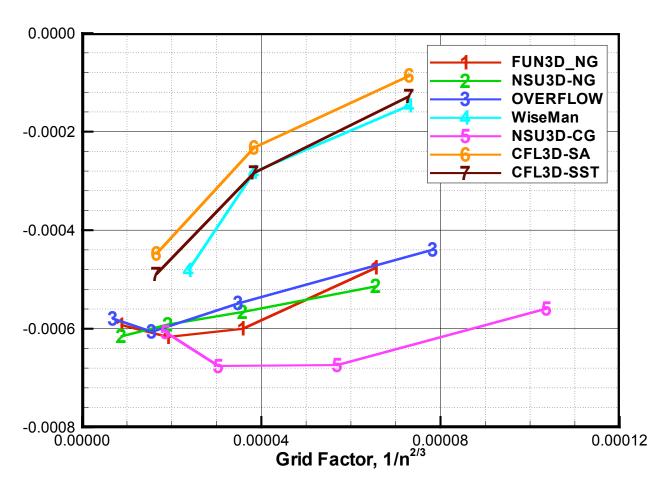


W2-W1 Delta - Grid Convergence



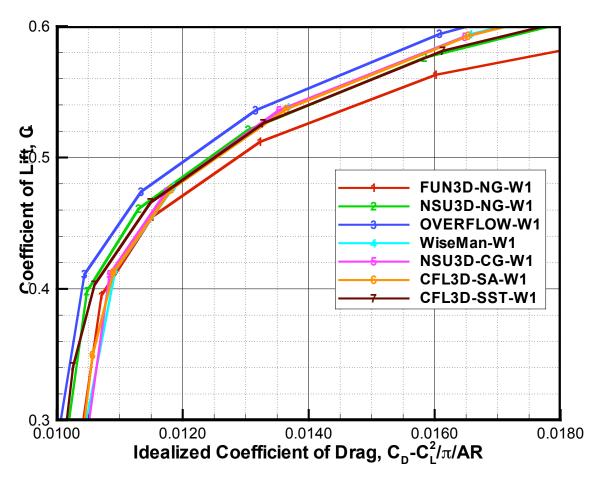


Idealized Drag - W2-W1 Delta Comparison



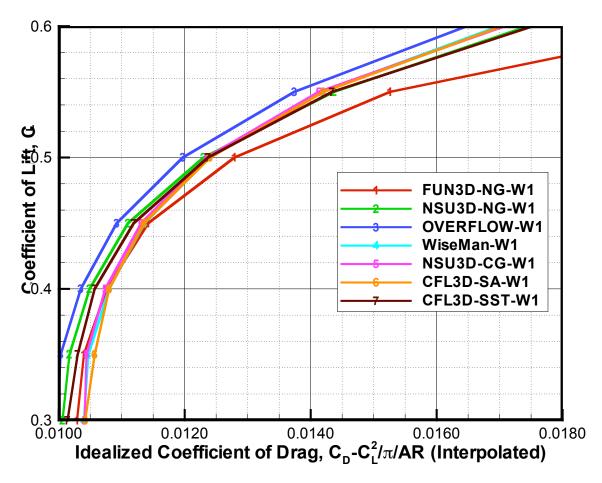


W1 Idealized Drag Polar



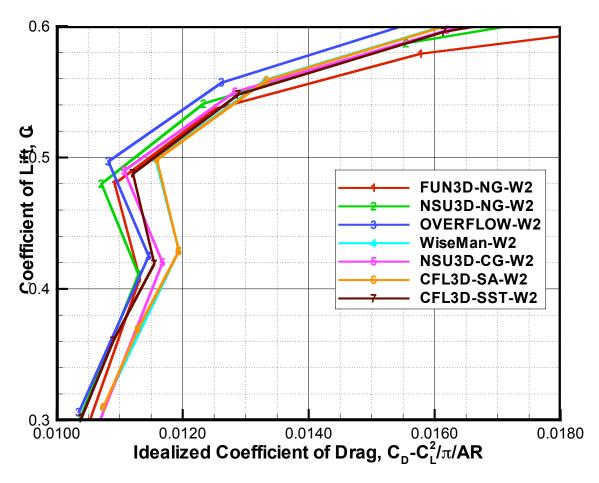


W1 Idealized Drag Polar (Interpolated)



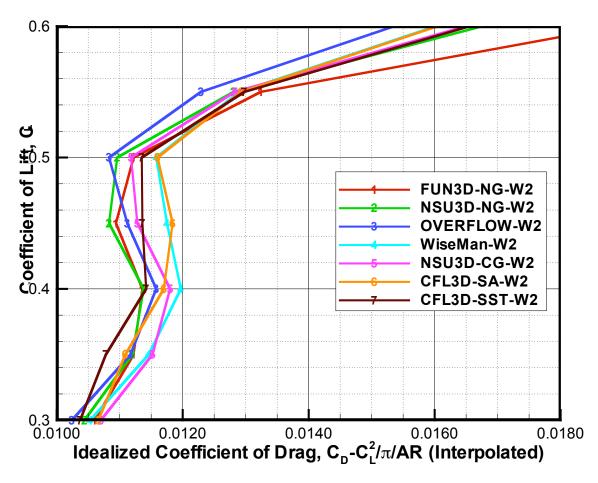


W2 Idealized Drag Polar



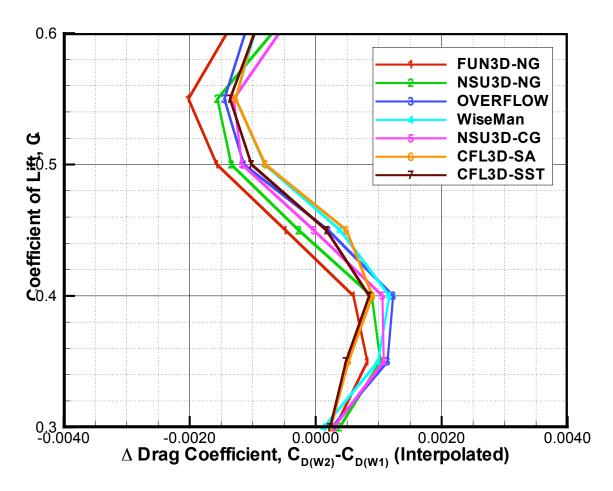


W2 Idealized Drag Polar (Interpolated)



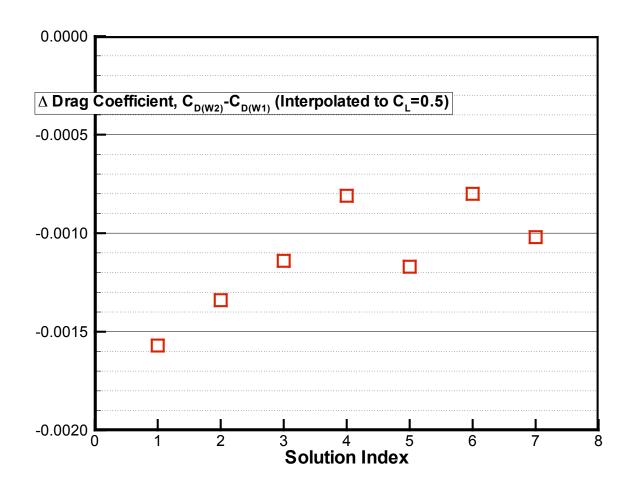


Delta Drag - Interpolated



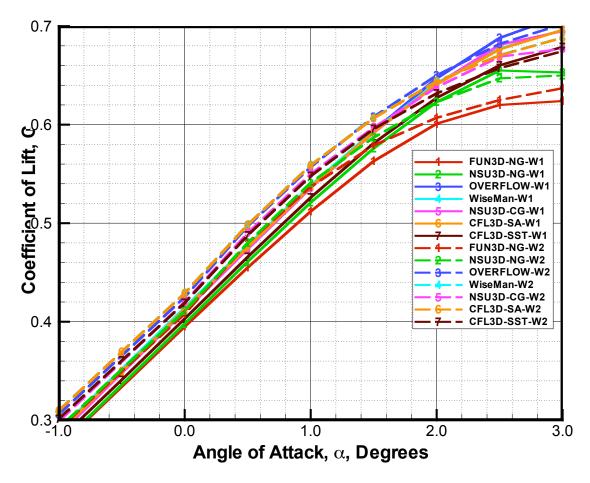


W2-W1 Delta Drag at $C_1 = 0.5$



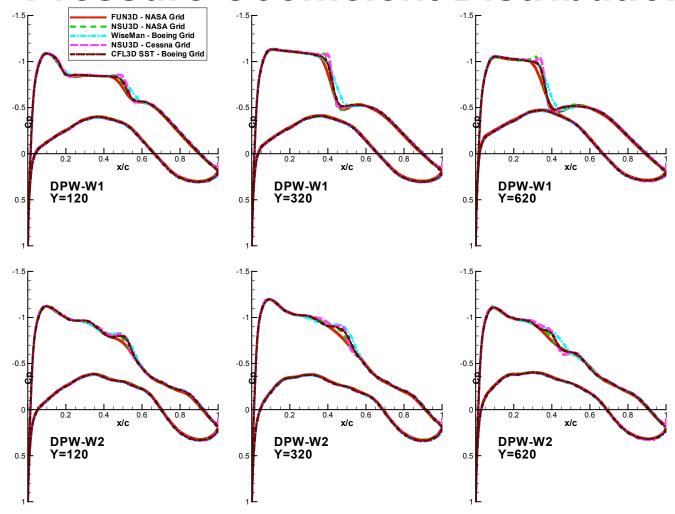


Lift Coefficient vs. Alpha



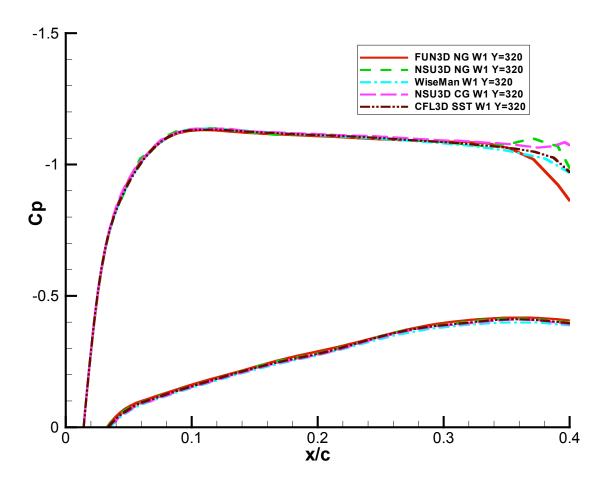


Pressure Coefficient Distribution



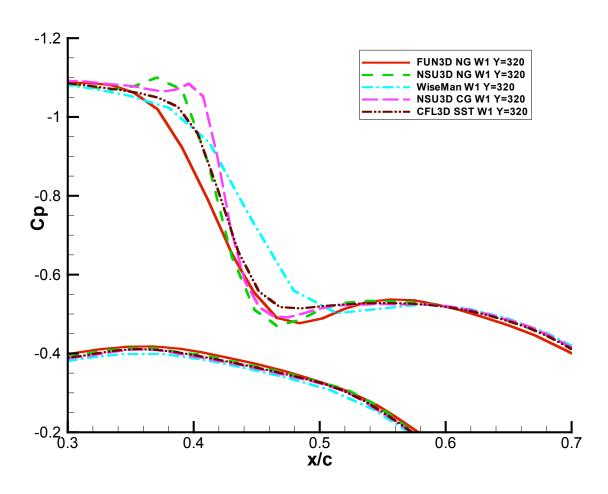


W1 Pressure Coefficient Detail 1



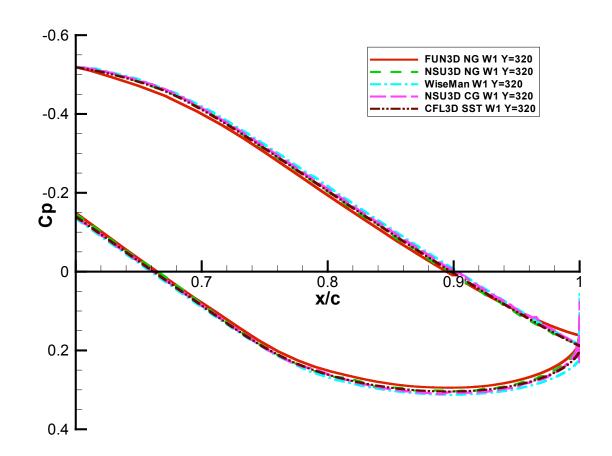


W1 Pressure Coefficient Detail 2



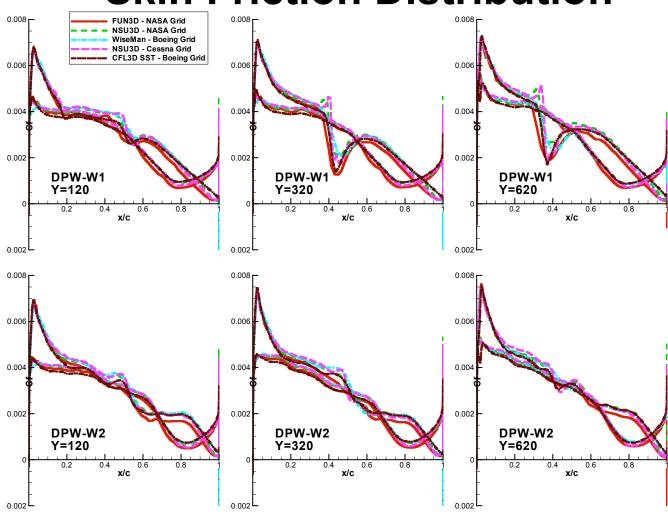


W1 Pressure Coefficient Detail 3





Skin Friction Distribution



June 3-4, 2006

3rd AIAA CFD Drag Prediction Workshop

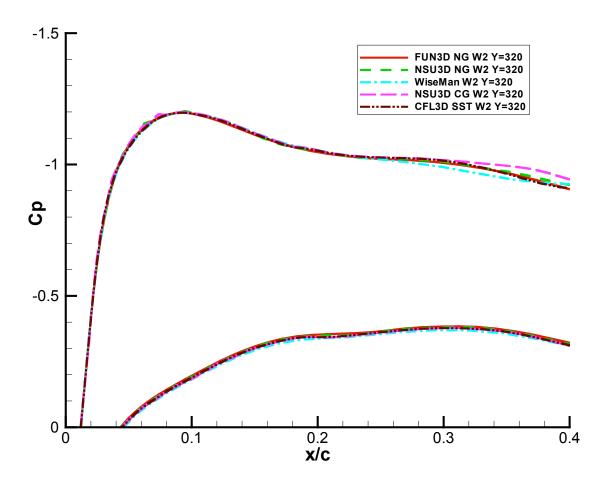


Summary

- If you want to look at delta C_D, used fixed C_I
- Why don't we match shocks better?

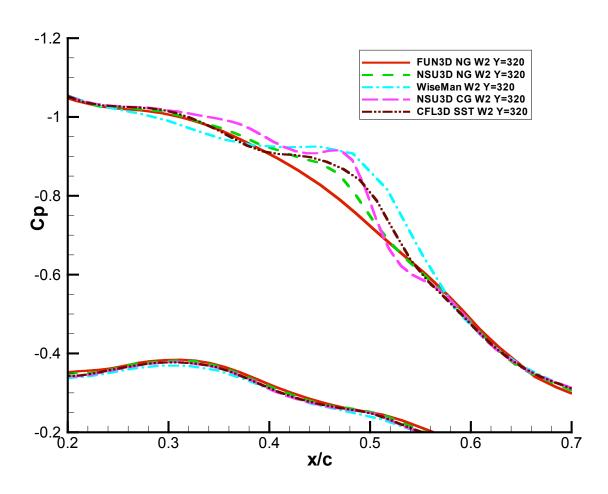


W2 Pressure Coefficient Detail 1





W2 Pressure Coefficient Detail 2





W2 Pressure Coefficient Detail 3

