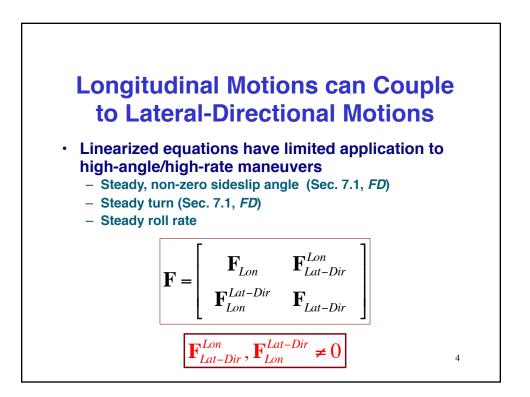
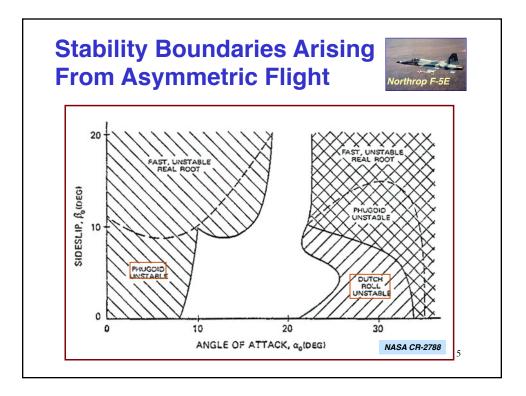
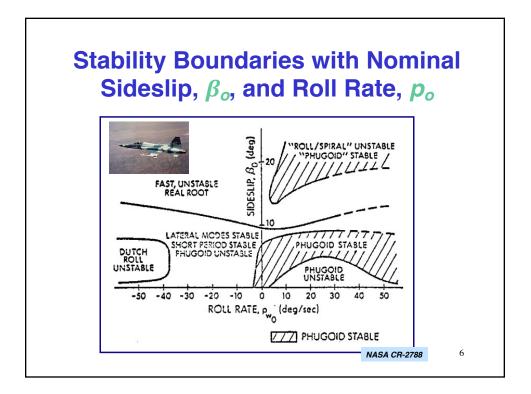


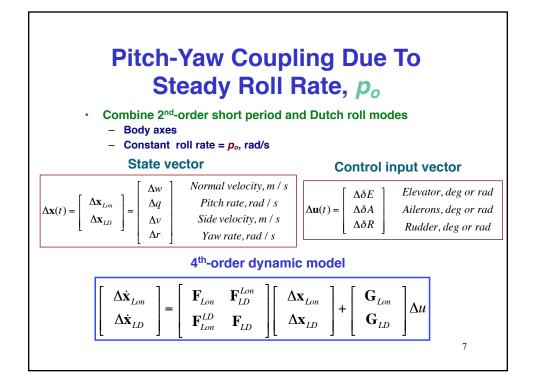
Coupling of Longitudinal and Lateral-Directional Motions

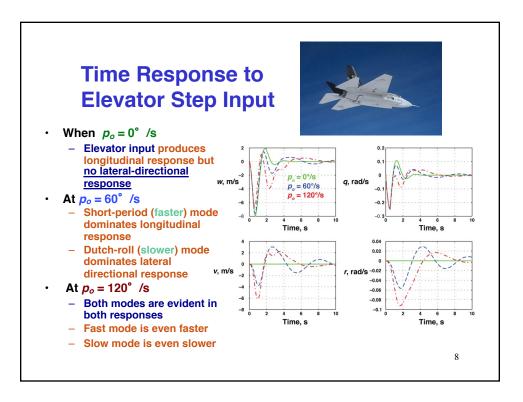
3

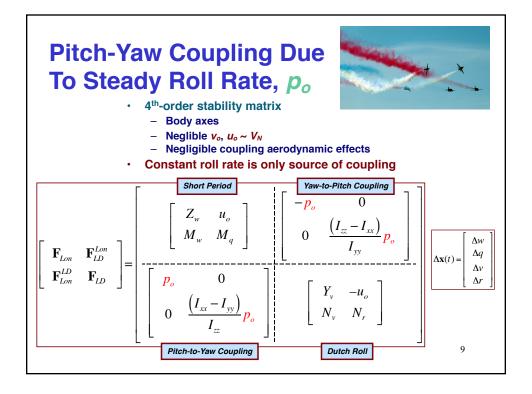


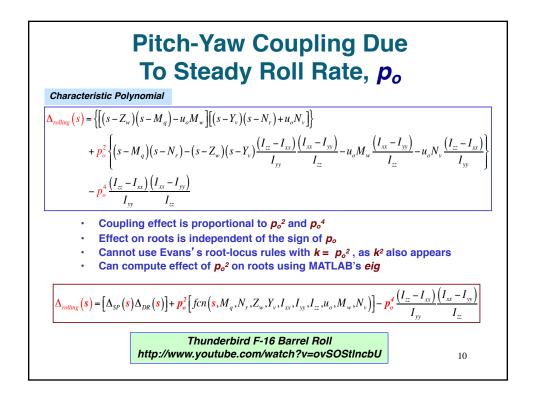


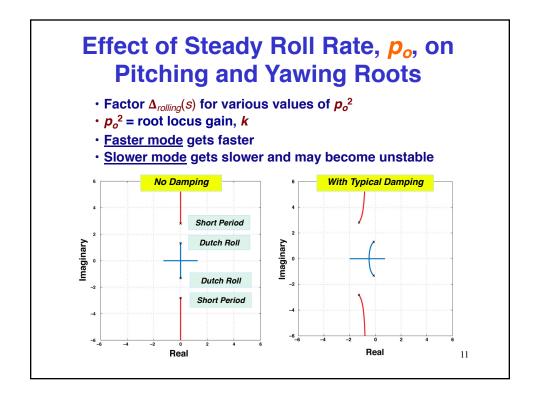


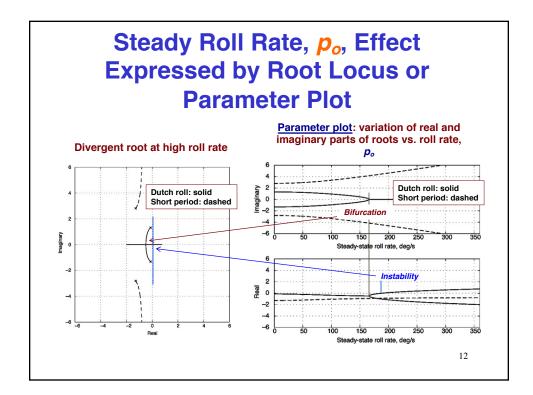


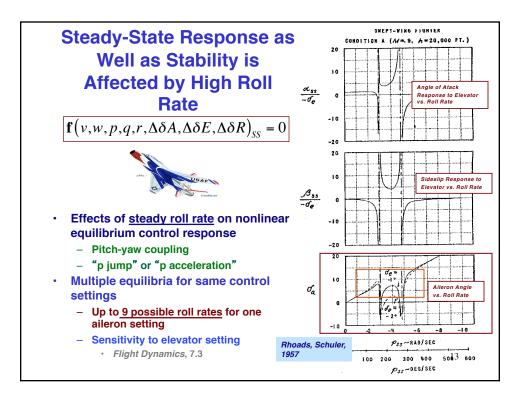


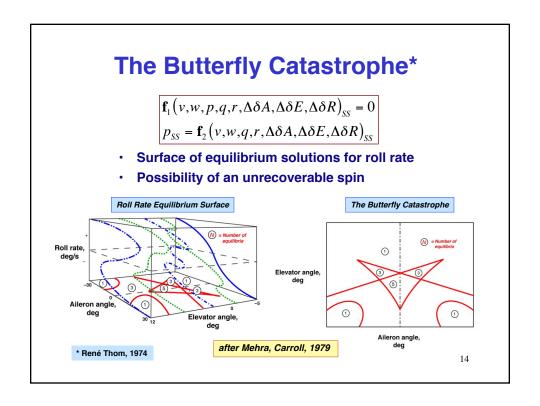






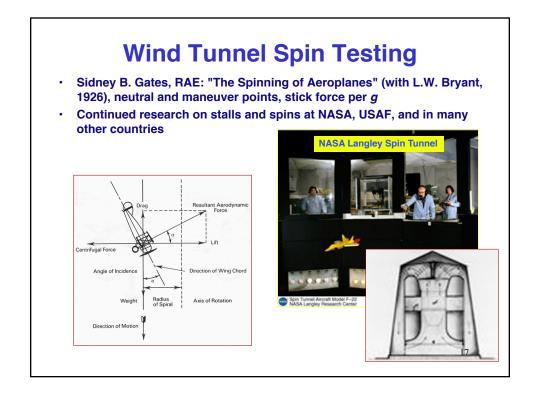




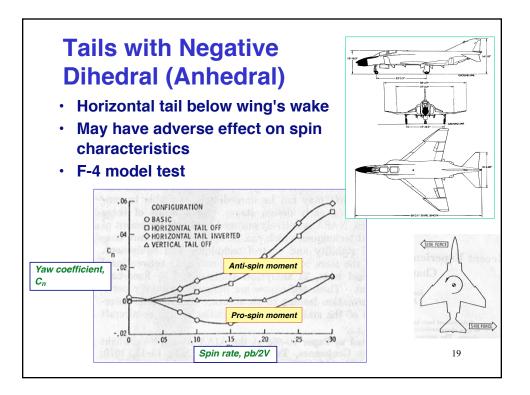


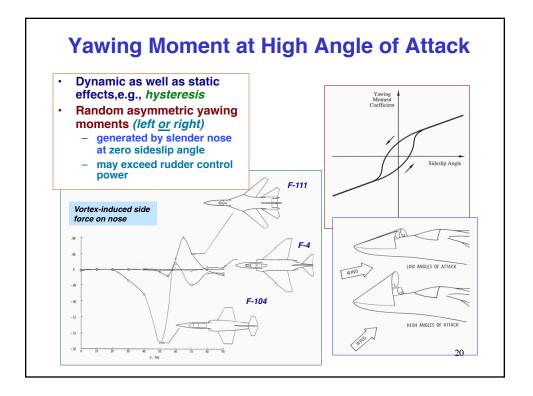




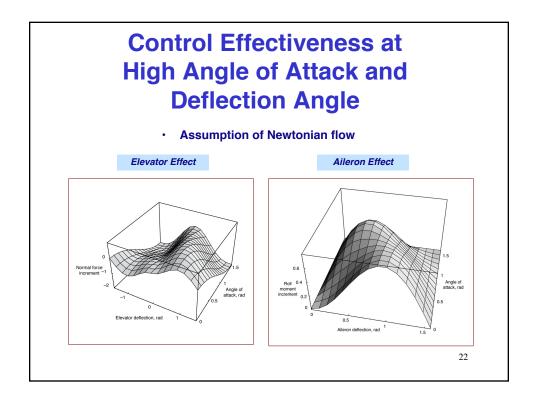












Control at High Aerodynamic Angles

23

Supermaneuverability Means of forcing opponent to overshoot Pugachev's Cobra maneuver, first done in Sukhoi Su-27 Beneficial effect of thrust-vector control (X-31) Mongoose maneuver (X-31) • Essentially low-speed maneuvers, not • where you want to be in air combat (i.e., high energy-state) Dryden Flight **Research Center** 24

