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model_check.m

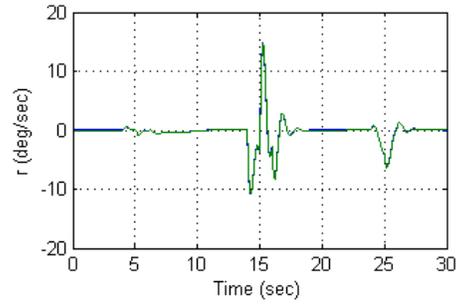
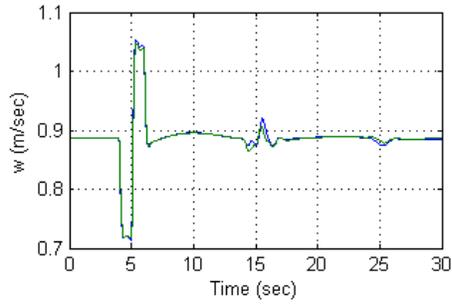
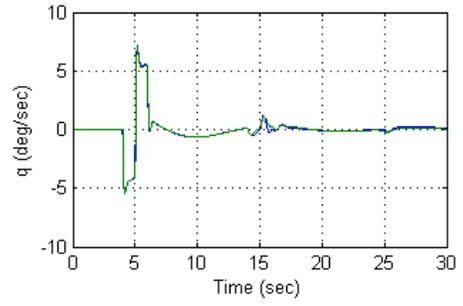
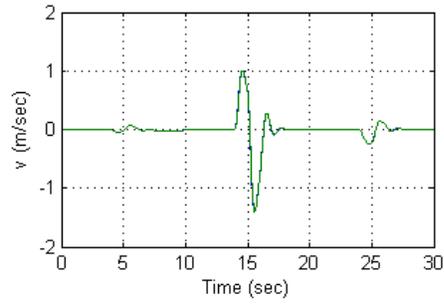
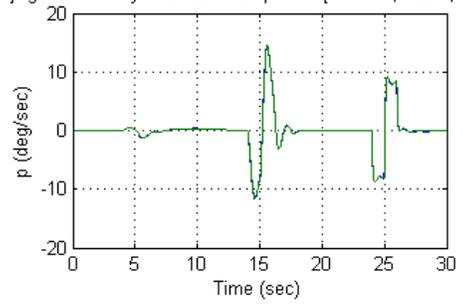
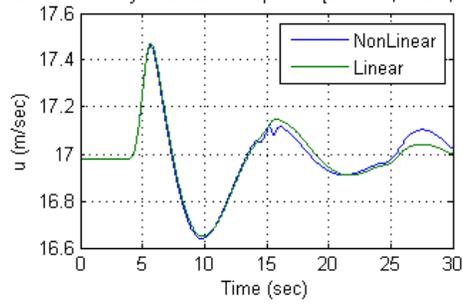
UAV_NL Model Verification

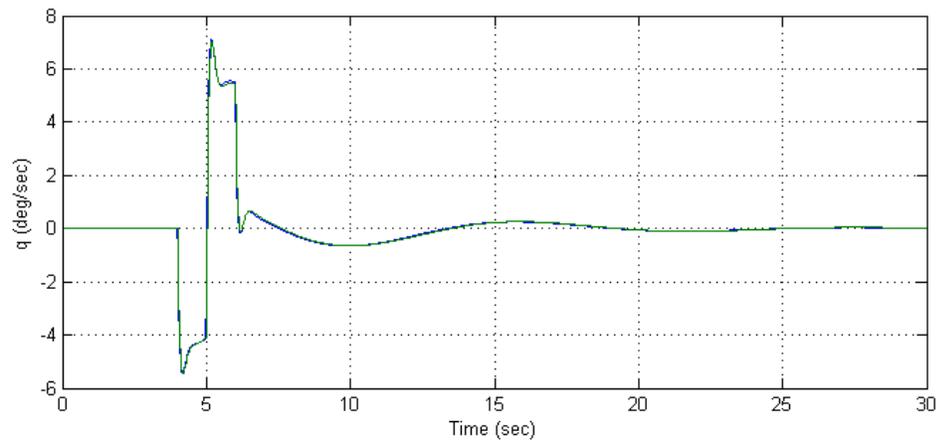
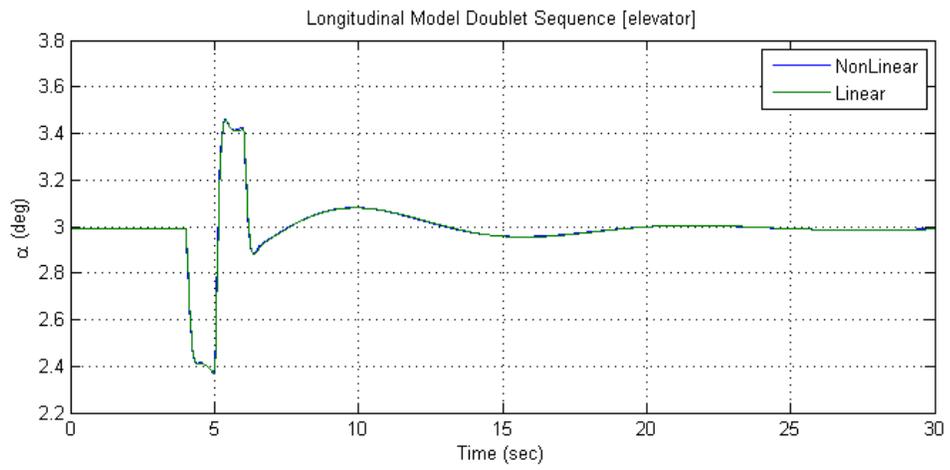
Compares the linear/nonlinear doublet response of the current simulation model (blue/green lines) with the checkcase data (red/black).

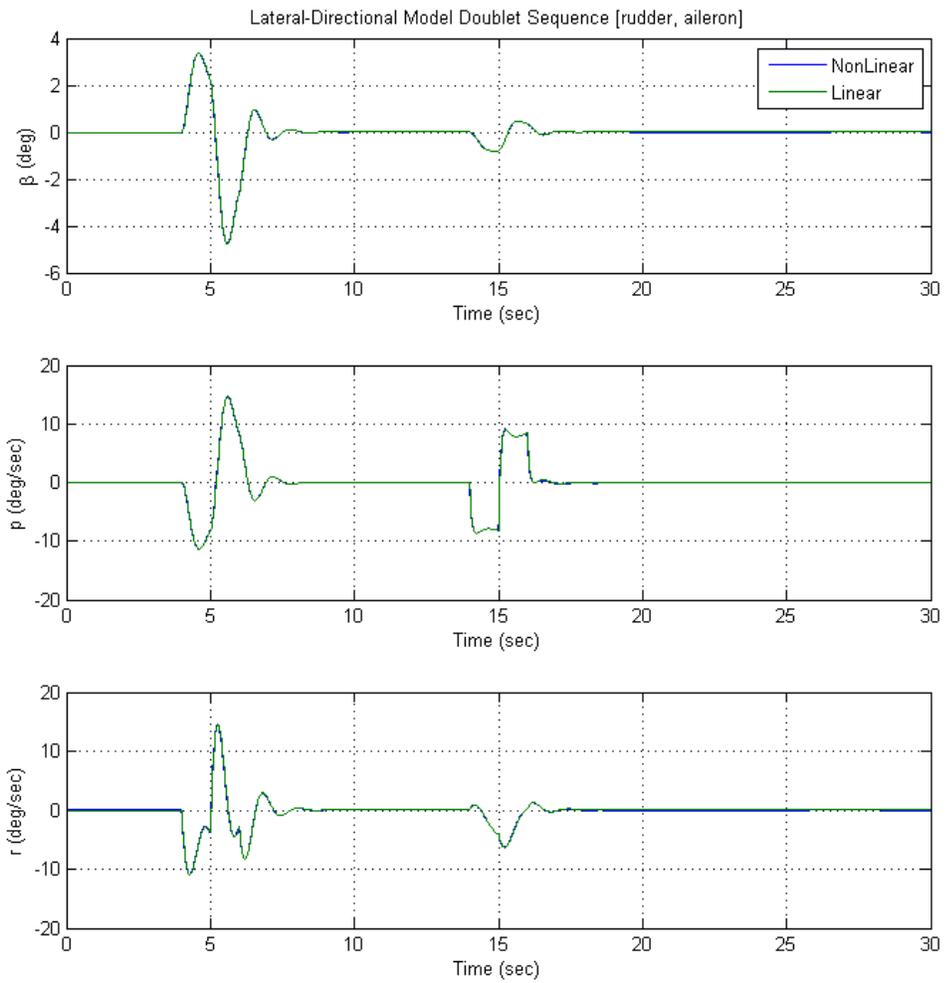
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SVN Info: \$Id: model_check.m 284 2011-03-03 15:07:19Z murch \$

Linear Velocity to Doublet Sequence [elevator,rudder,aileron] Angular Velocity to Doublet Sequence [elevator,rudder,aileron]

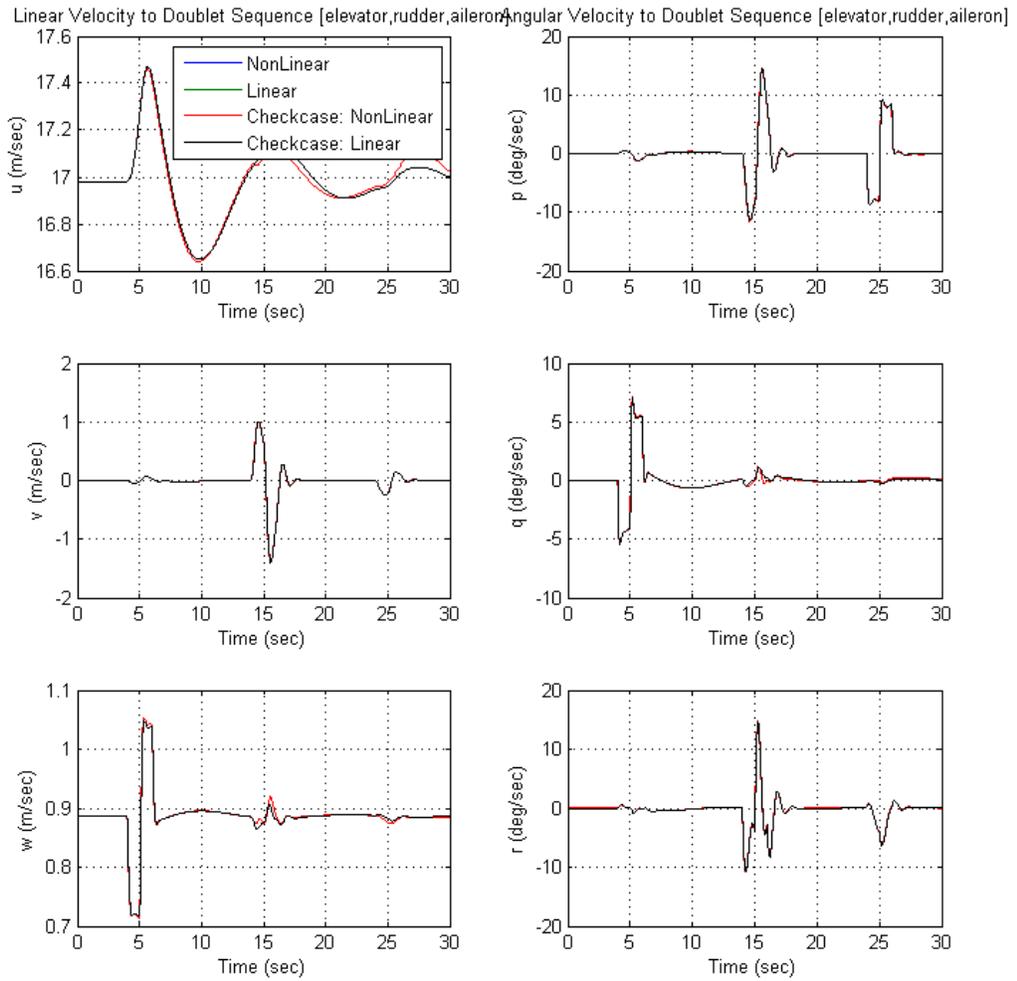






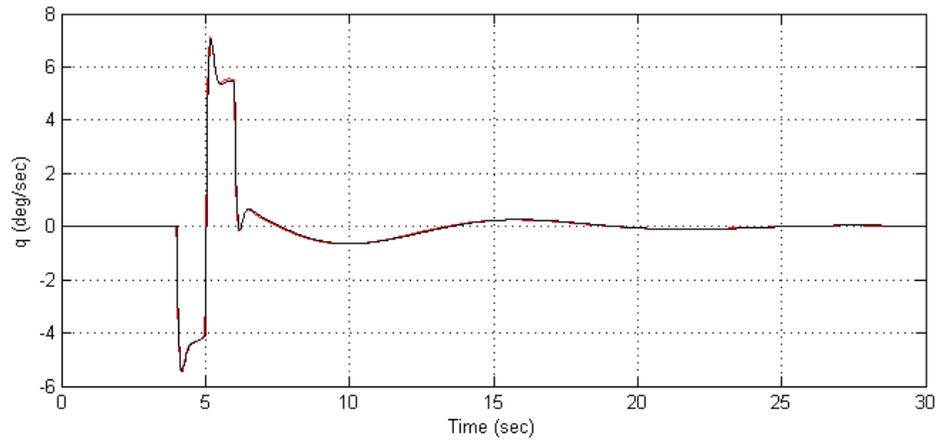
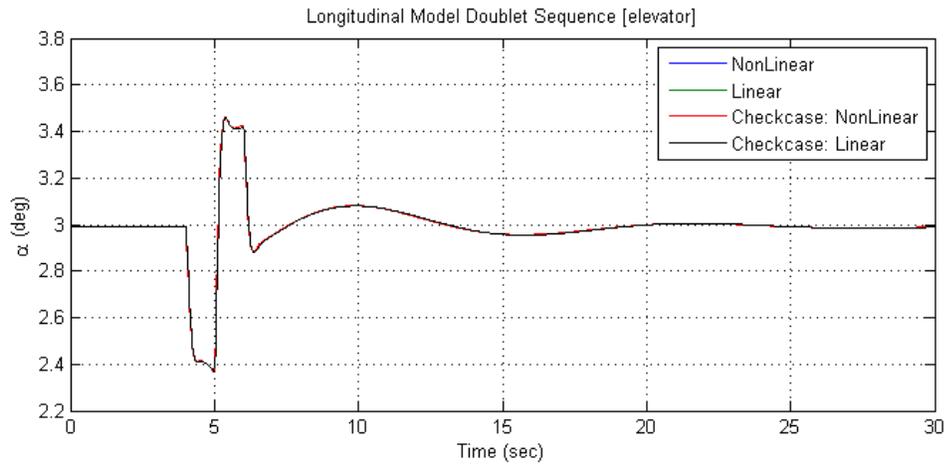
Full Linear Model

Full 13 state linear model. Doublets on elevator, aileron, and rudder.



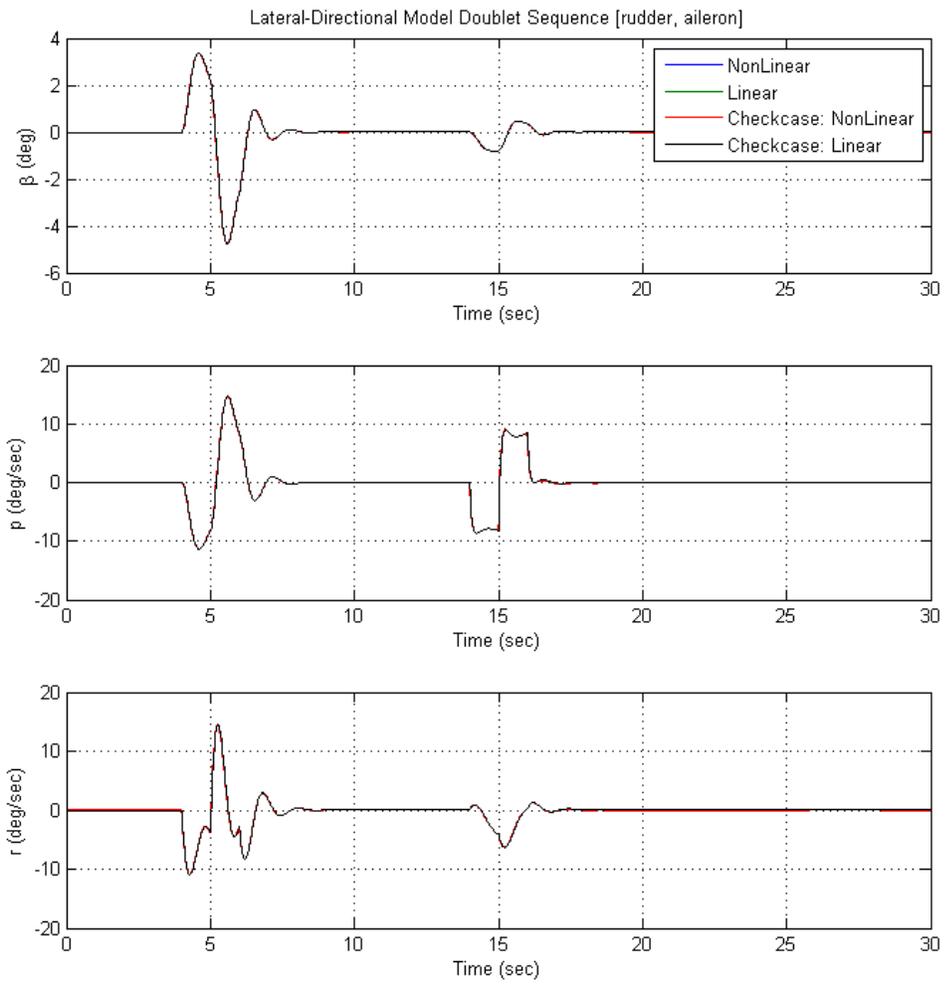
Longitudinal Linear Model

Reduced order longitudinal linear model. Doublets on elevator only.



Lateral-Directional Linear Model

Reduced order lateral directional linear model. Doublets on aileron and rudder.



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