Six-Degree of Freedom Nonlinear F-16 Aircraft Model

This is a Matlab-based software package for a six - degree of freedom nonlinear F-16 fighter aircraft model developed by Ying Huo, a graduate student from University of Southern California. It is based on the F-16 model in [1, 2] with minor modifications.

This software is provided for the readers of the book “Adaptive Control Toolbox” with the permission of the author and cannot be used for any commercial purpose without the prior permission of her (see Model.pdf for the contact info). The use of the software in any publication or report should be acknowledged.

[1]. B.L. Stevens and F.L. Lewis, *Aircraft Control and Simulation*, John Wiley & Sons, Inc. 1992.

[2]. L.T. Nguyen, et al., Simulator study of stall/post-stall characteristics of a fighter airplane with relaxed longitudinal static stability, NASA Tech. Pap. 1538, NASA, Washington, D.C., Dec. 1979.