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Nonlinear Control Algorithms for Uninhabited Aerial Vehicles

AASERT Grant

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Progress Report
1 April 1998 to 31 July 1998

1 Objectives

The goal of this project is to develop software for nonlinear synthesis using numerical representations of systems, targeted at emerging applications in unmanned aerial vehicles (UAVs).

2 Status of Effort

This is a new AASERT award which started in April, 1998. The student identified for the award did not begin receiving funding from this grant until July 1.

3 Accomplishments

Work is beginning on implementing a model predictive control technique on a prototype flight control system (in simulation, for now).

4 Personnel Supported

Jim Primbs, Caltech graduate student (4th year).

5 Publications

None.