Matave Identification ToolBox

Applied Identification Toolbox for MATLAB and GNU Octave

Version 1.0

State space model estimation

Function name	Description	Status	Model
era	Eigensystem Realization Algorithm	Done	SIMO
moesp	Multivariable Output Error State sPace		
N4SID	Numerical algorithms for Subspace State Space System IDentification		
CVA	Canonical Variate Analysis		

Filter model

Function name	Description	Status	MIMO
kalman	Kalman filter		

Regression analysis

Function name	Description	Status	MIMO
lineq	Estimate a linear function	Done	No
linep	Estimate a polynomial function		
curvefit	Curve fitting after a function		
3Dplot	3D plot of input and output data		