SYSTEMS DESIGN ENGINEERING

Design of Large Nonlinear Dynamic Systems

SYDE 760 – *Topic 5* **Spring**

The allocation of the values of design variables that satisfy multiple conflicting performance measures (e.g. responses) is a difficult problem. One approach that helps reduce computing time in the design of nonlinear dynamic systems is the creation of time dependent meta-models and the application of singular value decomposition to extract the import information. Matlab serves as the computing platform. Uncertainty may be introduced if time allows.

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