CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

MASTER THESIS PRESENTATION

Tuesday, May 17
12:30 – 1:30 pm in Barnard 115

Aircraft Engine Starter Design Optimization Using Response Surface

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Abstract

The complexity of an aircraft engine starter design process, with its coupled effects and multiple constraints, makes it a perfect candidate for a six-dimensional response surface model. Experimental design leads to a more optimized starter than that produced by conventional explicit design. The new optimized starter design saves the aircraft companies, engine companies, and their customers significant weight and cost.

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