

Sensitivity Analysis of Turbine Engine Sustainment

A. Goals:

- Identify important and non-important variables in series model of a turbine engine sustainment module.

B. Brief Description:

Use Monte Carlo Sampling to calculate global sensitivities and probabilistic sensitivities. These serve as a guide to identify critical variables in the model. Importance is based on the effect of the a variable on the model's response

C. Heights of Achievements this semester (using bullets):

- Calculated global sensitivities
- Calculated probabilistic sensitivities

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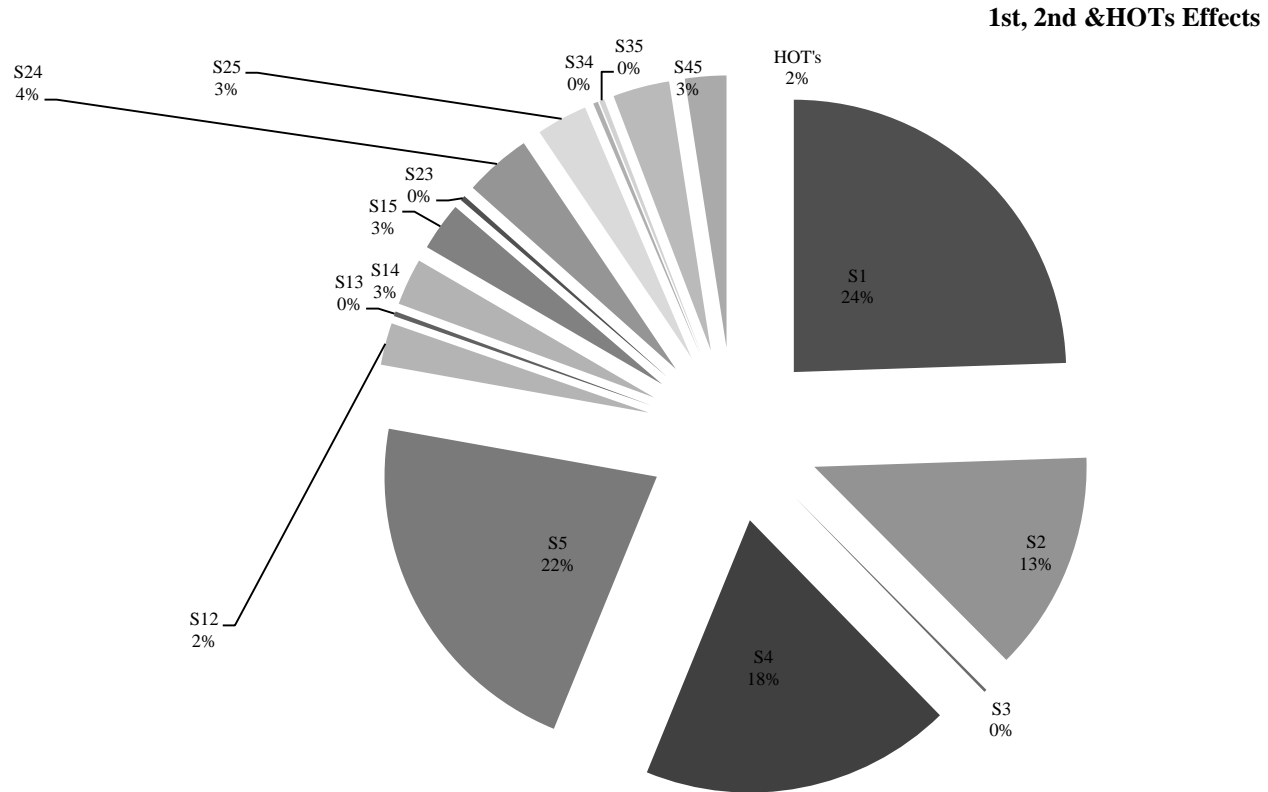


Figure. Total System Variance