

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 22

3:00 – 4:00 PM

Maria Sanford, Room 101

COMPARISON STUDY OF ACCELERATED LIFE TESTING MODELS

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Abstract: This presentation deals with the analysis of accelerated life test. We consider various statistical models for failure times which are plausible in this context and estimation procedure using the maximum likelihood method is outlined. We propose the use of the family of power transformations of stress variable before carrying out the regression analysis. A numerical example of real life data is considered using various models introduced earlier.

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