

GRADUATE SEMINAR

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Goodness of fit tests for three main models of reliability models

MSc Student supervised by Andrei Volodin

Wednesday November 5th

11:15

Math Lounge (CW307.20)

Abstract: It is important to check what is lifetime distribution of a production (living organism, etc) in order to locate and remove the defect in future and to examine reliability of products. Our subject of investigation is construction of statistical tests for testing main probability models in reliability theory consisting of model of aging and deterioration, model of weak link, and model of defect at birth. We will construct six asymptotically locally most powerful tests for pair wise distinction between aforementioned models.