

# GRADUATE SEMINAR

Suporna Das

## Parametric estimation for Crack distribution

*PhD Student supervised by Andrei Volodin*

Monday July 22th

11:00

Math Lounge (CW307.20)

**Abstract:** Crack distribution produces a flexible model for fitting life-time data. In this talk we will present a comprehensive treatment of the properties of this model including the new method for finding moments, data fitting, and a shape analysis of the density. Further we will use method of moment estimation and maximum likelihood estimation in order to compute parameters and mean square error of the estimates from examples and simulations. We will show that the Crack distribution presents an excellent fit for the analyzed data.

