

GRADUATE SEMINAR

Priyanka Guliani

Crack Distribution

MSc Student supervised by Dr. Shaun Fallat and Dr. Andrei Volodin

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3.30 PM

Math and Stat Lounge CW 307.20

Abstract: The crack lifetime distribution depends on three parameters. It is formed by adding the weighted parameter and combining the two parameter Inverse Gaussian distribution and two parameter Length Biased Inverse Gaussian distribution. This distribution contains special case three known distributions, namely, Birnbaum-Saunders distribution, the Inverse Gaussian distribution, and the Length Biased Inverse Gaussian distribution.

In this presentation, I will talk about the importance of Crack distribution and discuss how the above mentioned distributions are special case of the Crack distribution by using the moment generating function for the Crack distribution. I will also provide some probability properties of the Crack distribution.