

GRADUATE SEMINAR

George Teye

Generating Crack Random Numbers that follow the Three Parameter Crack Distribution

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Friday November 22nd

10:30

Math Lounge (CW307.20)

Abstract: The two-parameter crack lifetime distribution had led to development of the three- parameters crack lifetime distribution. And this has been a very useful and effective tool in statistical analysis in conjunction with engineering concept relating to the fatigue crack that happen in material used for most engineering product like lorry, air craft and other heavy machineries. The application of this three parameter crack distribution is not only limited for engineering concept but also have application in both financial stock market pricing and actuarial concepts. But in this Seminar we will only be looking at how the crack random numbers that follow this three parameter crack distribution are generated and the simulation process are also presented.