

Theoretical Statistics and Mathematics Unit

Students Seminar

Date: May 27, 2016

Time: 11:30 AM

Venue: L-Infinity, Stat-Math Unit (5th Floor, A.N. Kolmogorov Bhavan)

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A Characterization of Sine function.

Abstract

John Roe obtained the following characterization of Sine function "If a function and all its derivative and antiderivative are uniformly bounded then the function is precisely Sine function". I will prove this result using Distribution theory and describe its connection to work of Rudra Sarkar, Swagato Roy and Pratyosh Kumar.

All are cordially invited