Sri Bhagavatula Rama Murthy and Smt. Bhagavatula Saradamba 15th Memorial Lecture

SCHOOL OF
MATHEMATICS AND
STATISTICS

UNIVERSITY OF
HYDERABAD

SOME RECENT PROGRESS ON THE YANG-MILLS PROBLEM

ABSTRACT

The Yang-Mills existence and mass gap problem is one of the six millennium problems posed by the Clay Institute. The problem is about giving a rigorous foundation for quantum field theory. Though largely out of reach, there has been some recent progress, some of this will be discussed in this talk.

Professor Sourav Chatterjee
Department of Statistics
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Professor Sourav Chatterjee specializes in mathematical statistics and probability theory. Prof.Chatterjee is credited with work on the study of fluctuations in random structures, concentration and super-concentration inequalities, Poisson and other non-normal limits, first-passage percolation, Stein's method and spin glasses. He has received numerous prestigious awards including a Sloan Fellowship in mathematics, Tweedie Award, Rollo Davidson Prize, Doeblin Prize, Loève Prize, and Infosys Prize in mathematical sciences. He was an invited speaker at the International Congress of Mathematicians in 2014.

Date : 5 March, 2021
Time : 10:00a.m. IST
Google Meet Link:
meet.google.com/mfm-cnad-nqn

All are welcome