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INTERNATIONAL
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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS String Seminar

Title : A Grothendieckian Taming of the Special Function Zoo. Part 1: The Loga Paradigm

Speaker : Godwin Martin (ICTS-TIFR, Bengaluru)

Date : Wednesday, 17 September 2025

Time : 3:30 PM (IST)

Abstract : We will study how the seemingly chaotic zoo of special functions—Bessel, hypergeometric, and beyond—can be brought into order through integral representations and averaging principles. This perspective reveals that the vast families of functions that we know of are, in essence, repeated averages of a few simple seed functions. Furthermore, we will point to a deep categorical and motivic structure underlying the taxonomy of special functions.

Venue : Emmy Noether Seminar Room

Zoom Link: <https://icts-res-in.zoom.us/j/88092766911?pwd=R3ZrVk9yeW96ZmQ4ZG9KRzVhenRKZz09>

Meeting ID: 880 9276 6911

Passcode: 232322