



ICTS

INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS Seminar

Title : Theory and applications of analytic functions on multiply connected domains.

Speaker : Vikas Krishnamurthy, Erwin Schrodinger Institute, Vienna

Date : Friday, February 16, 2018

Time : 02:30 PM

Venue : Nambu Discussion Room (Left), ICTS Campus, Bangalore

Abstract : In recent years, the theory of complex valued analytic functions defined on multiply connected domains has been recognized to have several applications in applied mathematics. In this talk, we will review the theory of Schottky-Klein prime functions and other allied special functions defined on multiply connected circular domains, and discuss the numerical computation of these special functions. We will also briefly present applications to selected problems in fluid dynamics through conformal mapping methods.