



Institute Lecture

What is hyperbolic geometry?

Dr. Mahan Maharaj
The School of Mathematical Sciences,
Ramakrishna Mission Vivekananda University, Kolkata

Monday, 14th November, 2011; Time: 5:30 PM, Venue: L-1, Lecture Hall Complex

Abstract

The talk will provide an introduction to hyperbolic geometry, including its genesis. Some familiarity with high school calculus and co-ordinate geometry is all that will be assumed.

About the speaker

Dr. Mahan Maharaj (formerly Mahan Mitra) is the recipient of this year's prestigious Shanti Swarup Bhatnagar award in Mathematical Sciences. Dr. Mahan graduated from IITK in 1992 with a M.Sc. (Integrated Mathematics) degree. He is regarded as one of the best students the Department of Mathematics has produced. Mahan went to UC Berkeley for his Ph.D., which he completed in 1997 with Andrew Casson as his Advisor. His work is on Low dimensional Topology. He received the Earl C. Anthony Fellowship, U.C. Berkeley 1992-1993 and the prestigious Alfred P. Sloan Doctoral Dissertation Fellowship for 1996-1997. Mahan returned to India in 1998 to IIMSc but decided to join the Ramakrishna Mission to be a Monk. At present, he is an Associate Professor at The School of Mathematical Sciences, Ramakrishna Mission Vivekananda University and is actively involved in teaching and research.

His most notable work is the proof of the existence of Cannon–Thurston maps. This lead to the resolution of the conjecture that connected limit sets of finitely generated Kleinian groups are locally connected.

Tea at 5.15 PM

All interested are welcome.

A. K. Chaturvedi
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