

School of Mathematics

Tata Institute of Fundamental Research

Analytic Geometry

March 26-30, 2018
Lecture Theatre AG 66 and AG 69,
Tata Institute of Fundamental Research (TIFR)

Complex analytic geometry is a very broad area of mathematics straddling differential geometry, algebraic geometry and analysis. Much of the interactions between mathematics and theoretical physics, especially string theory, channels through complex analytic geometry. Some of the high points of research in this topic are: Yau's proof of Calabi's conjecture, Donaldson-Uhlenbeck-Yau's theorem that polystable vector bundles are precisely the solutions of the Hermitian-Einstein equation, Demailly's work of Kobayashi hyperbolicity.

*** Participants ***

Gautam Bharali	Sebastian Heller	Takuro Mochizuki
Usha Bhosle	Amit Hogadi	Vamsi Pingali
Arijit Dey	Jacques Hurtubise	Florent Schaffhauser
Sorin Dumitrescu	Niky Kamran	Georg Schumacher
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Organizers

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