

Global Initiative of Academic Networks (GIAN) @ IIT-GN

**Lecture Series on
The Black hole
Information Paradox**

**By Prof. Samir D. Mathur
Ohio State University, USA**



The course will present an overview of the black hole information paradox and various attempts to resolve the problem, in particular the Fuzzball proposal.

Dates: June 27th to July 8th, 2016.

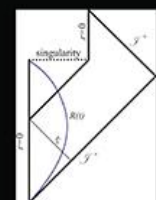
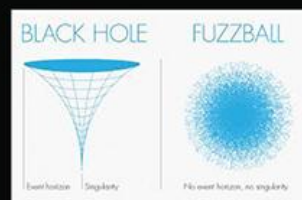
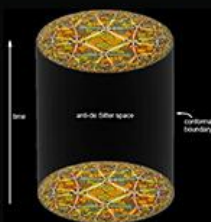
About the Faculty

Prof. Samir Mathur has spent over two decades working on the black hole information paradox. He has proposed that this paradox is resolved because the structure of black holes is radically altered in string theory: Instead of having all their mass at their center, black holes are “fuzzballs” with no regular horizon or singularity. Mathur is now applying these new insights to understanding the singularity at the origin of the Universe—the Big Bang.

**LAST DATE OF
REGISTRATION
16th MAY 2016**

Image Credit: <https://images.google.com/>

$$S = \frac{\pi A k c^3}{2hG}$$



http://www.iitgn.ac.in/gian/courses_black_hole.php

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