George R. Kempf Lecture Series

On Falling into Black Holes (Part I)

Monday October 22, 2018

4:00-5:00PM

Shaffer 304

The celebrated "black hole" spacetimes of Schwarzschild and Kerr play a central role in our current understanding of Einstein's general theory of relativity. Are these spacetimes stable, however, as solutions to the Einstein vacuum equations, in their exterior region? And what fate awaits physical observers who enter inside a "generic" black hole? It turns out that these two questions are intimately related and the answer to the second may be more disturbing than previously thought. These talks will try to explain how so.

Wine & Cheese
Krieger 413
3:00-4:00 PM

Mihalis Dafermos

Department of Mathematics

Princeton University and

University of Cambridge

Additional Talk

On Falling into Black Holes (Part II)

Tuesday, October 23, 2018

4:30 - 5:30 PM

Shaffer 304

Support for the George R. Kempf Lecture Series is provided by the Kempf Memorial Endowment and the Department of Mathematics

For more information on the series visit our website at:

http://mathematics.jhu.edu/events/kempf-lectures/