GEOMETRIC ANALYSIS SEMINAR

"The linear stability of the Schwarzschild spacetime in the harmonic gauge: odd part"

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Abstract: We study the odd solution of the linearlized Einstein equation on the Schwarzschild background and in the harmonic gauge. With the aid of Regge-Wheeler quantities, we are able to estimate the odd part of Lichnerowicz d'Alembertian equation. In particular, we prove the solution decays at rate $\tau^{-1+\delta}$ to a linearlized Kerr solution.

Wednesday, September 26th, 2018
MIT, Room 2-131
Time: 4:00 PM