



GLOBAL ANALYSIS SEMINAR

Penrose-type inequalities for conformally flat manifolds

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Abstract: The positive mass theorem (PMT) of Schoen–Yau and Witten is a foundational result in both mathematical relativity and geometric analysis. I will discuss some generalizations of the PMT, with an emphasis on Penrose-type inequalities for the ADM mass of an asymptotically flat manifold. Specifically, I will talk about recent work on proving versions of such inequalities for conformally flat spaces. No prior knowledge of relativity will be assumed.

Wednesday September 29, 1–2:20pm
Wachman Hall 617

<http://math.temple.edu/events/seminars/manifolds/>