



UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

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SEMINARIO

Prof. Stefano Pigola

Università degli studi di Milano Bicocca

***The L^p Positivity preservation on
Riemannian manifolds***

Venerdì 12 maggio 2023, ore 14:30

Aula A, Plesso di Matematica

Campus - Parco Area delle Scienze 53/A, 43124 Parma

Abstract: In his investigations on the spectral theory of Schrödinger operators with singular potentials, T. Kato introduced many fundamental tools. A lot of work has been done to transplant these tools to Riemannian manifolds. In this talk I shall mainly focus on the so called “ L^p Positivity Preservation” and discuss how it is (un)related to the geometry of the underlying space. The talk is based on a joint work with Daniele Valtorta and Giona Veronelli.

Organizzatore: prof. Adriano Tomassini