TEMPLE UNIVERSITY

Department of Mathematics

Analysis Seminar

Zoom meeting

Monday, March 14 2022, 2:30 p.m.

On Quasi-isospectral potentials

by Clara Aldana

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Abstract: In this talk I will first talk about the isospectral problem in geometry and about isospectrality of Strum-Liouville operators on a finite interval in the simplified form of a Schrödinger operator. I will mention very interesting known results about isospectral potentials. I will introduce generalizations of the concept of isospectrality like quasi-isospectrality, and will present what we know so far about quasi-isospectral potentials. The work presented here is still on-going joint work with Camilo Perez.