

# SPECTRAL PROPERTIES OF ELLIPTIC OPERATORS ON GRAPHS

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ABSTRACT. In this talk, we will briefly discuss some spectral properties of second order regular singular operators on a metric graph. More specifically, we will focus on properties of the resolvent of an elliptic operator having a singular potential of Coulomb type.

This is joint work with Thomas Krainer (Penn State Altoona) and Gerardo Mendoza (Temple University, Philadelphia).