

On the spectral analysis of Schrödinger operators on star-like graphs

The study of Schrödinger operators on graphs has drawn a considerable amount of attention in the past few decades. For such operators on the half-line, Gilbert and Pearson (1987) introduced a way to study the spectral continuity properties via asymptotic properties of solutions to the eigenvalue equation. In this talk, we present a generalization of this method to star-like graphs, which are given by attaching a finite number of half-lines to a compact graph.