Spectral problems on star graphs

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In this talk various results for spectral problems on star graphs are presented, e.g. for Stieltjes strings or Dirac operators. Apart from direct and inverse spectral results, we establish an abstract reduction method collapsing the problem on a star graph to a path graph.

(joint with N. Rozhenko/V. Pivovarchik and B.M. Brown/H. Langer)