

A Borg-Levinson theorem for trees

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In this talk we show that the well known Borg-Levinson theorem for the Sturm-Liouville problem has an analogue for trees. The Titchmarsh-Weyl m -function is replaced by the Dirichlet to Neumann map and the possibility of complex valued potentials on each branch of the tree is allowed.

This is joint work with Rudi Weikard, Birmingham AL.