RESONANCES ON INFINITE GRAPHS

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ABSTRACT

The theory of resonances of the Laplacian on geometrically finite quotients of the upper half-plane is well-established. In my talk, I will discuss non-archimedean analogs — specifically, quotients of regular trees by certain subgroups of their automorphism groups — and explore the spectral theory of the vertex averaging operator.

This is joint work with Carsten Peterson, Bartosz Trojan and Tobias Weich.