



Ram Band (Weizmann Institute, Israel) Isospectral quantum graphs - a new construction method

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Can one hear the shape of a drum?' - we treat this famous question of Marc Kac from 1966 in the context of isospectrality of quantum graphs. We present an algebraic method for construction of isospectral graphs. Finally, it will be demonstrated how this method can be used to produce some new examples of isospectral families of graphs. This is a joint work with Ori Parzanchevski and Gilad Ben-Shach.

Kontakt:

Humboldt-Universität zu Berlin . Institut für Mathematik
SFB 647 . Unter den Linden 6 . 10099 Berlin
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727
sfb647@math.hu-berlin.de

www.raumzeitmaterie.de