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Solomyak, Michael (IL-WEIZ)

On a differential operator appearing in the theory of irreversible quantum graphs. (English summary)

Special section on quantum graphs.


Summary: “A partial differential operator depending on the coupling parameter $\alpha \geq 0$ is considered. The spectral properties of the operator strongly depend on $\alpha$. The operator was suggested in [U. Smilansky, Waves Random Media 14 (2004), no. 1, S143–S153; MR2042550 (2004m:82087)] as a model of an irreversible physical system.”

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