

Seminář z diferenciálních rovnic se koná ve středu 12. 6. 2019 od 11 hodin v zasedací místnosti ÚMS.

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Krein's Formula and Sturm-Liouville Operators on a Compact Interval

Abstrakt přednášky:

Recalling parametrizations of self-adjoint extensions associated with a regular, symmetric, second-order differential expressions, we give a comprehensive accounting of all self-adjoint extensions of the minimal Sturm--Liouville operator in terms of Krein's formula for resolvent differences given Sturm--Liouville operators with Dirichlet boundary conditions at a and b as a convenient reference operator, and give a detailed description of the Krein extension of the minimal Sturm--Liouville operator.