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## **Self-adjoint Sturm–Liouville operators with singular coefficients**

**Volodymyr Mikhailtes**

Institute of Mathematics of the Czech Academy of Sciences  
Institute of Mathematics of the National Academy of Sciences of  
Ukraine

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Trojanova 13, 12000 Praha

**Abstract:** The talk contains some new results on the self-adjointness and spectral properties of semibounded Sturm–Liouville operators on the line with strongly singular coefficients. The case of 1D-Schrödinger and Hill operators are studied in more detail.

The talk is based on joint results with A. Murach, A. Goriunov, and V. Molyboga (Institute of Mathematics of NAS of Ukraine, Kyiv, Ukraine).