

## Abstract

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### *Spectral optimization for singular Schrödinger operators*

*Joint with Sylwia Kondej and Vladimir Lotoreichik*

The talk is concerned with finding configurations of singular interactions which optimize the ground state of the corresponding Schrödinger operator. We consider finite of point interactions situated at a circle or a sphere as well attractive  $\delta$  type interactions of supported by a manifold or complex of codimension one.