Wave model of symmetric operators

Sergey Simonov

We will discuss ways and methods to construct a new functional model of symmetric operators, the wave model, along with examples of such constructions for particular classes of differential operators. This model was proposed by M. I. Belishev in 2013 on a heuristic level in an attempt to find a universal abstract scheme for solving inverse problems with the boundary control (BC) method. The talk is based on joint works with M. I. Belishev.