



MAFIA - the seminar you can't refuse

Adjoint pairs of Schrödinger operators with complex potentials

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Trojanova 13, 12000 Praha

Abstract: Boundary triples for adjoint pairs of operators are a well-established framework for the study of symmetric operators and their self-adjoint extensions. In recent years, work has been undertaken to extend the theory to non-symmetric operators under minimal conditions on the boundary maps. In this talk, we will provide a summary of the abstract theory and will describe an application to adjoint pairs of Schrödinger operators with complex potentials. In particular, we will discuss under what type of assumptions on the potential the corresponding operator pairs are within the scope of the theory and the relevant properties that they satisfy. This presentation is based on joint work with Jussi Behrndt, Markus Holzmann and Petr Siegl.