

Finite rank perturbations of J -selfadjoint operators and indefinite Sturm-Liouville problems

F. Philipp

joint work with J. Behrndt and C. Trunk

We prove an abstract result concerning the local definitizability of J -selfadjoint operators in Krein spaces which are in some sense not far from being fundamentally reducible. This result will be applied to a class of indefinite Sturm-Liouville operators.