

On Spectralizable Operators

V. Strauss

joint work with C. Trunk

We introduce the notion of spectralizable operators. A closed operator A in a Hilbert space is called *spectralizable* if there exists a non-constant polynomial p such that the operator $p(A)$ is a spectral operator in the sense of Dunford. We show that such operators belongs to the class of generalized spectral operators and give some examples where spectralizable operators occur naturally.