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Interpolating Measures for Subnormal Operators

The notion of an interpolating measure for a subnormal operator S is introduced and is a natural extension of the idea of an interpolating sequence. These are closely connected to special invariant subspaces for S^* . For example, a point mass measure δ_λ is an interpolating measure for S if and only if $\bar{\lambda}$ is an eigenvalue for S^* . Hence the idea of interpolating measures also naturally generalizes the notion of bounded point evaluations. We will present some theorems and examples about interpolating measures and state some open questions.