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The Spectrum of Constrained Model d-tuples

In this talk we give a few descriptions of the Taylor spectrum for compressions $Z^{(\mathfrak{a})}$ of the d-tuple of coordinate multiplication operators to co-invariant subspaces $H_d^2 \ominus [\mathfrak{a}H_d^2]$ of the Drury-Arveson space H_d^2. We then discuss connections between the spectrum and some properties of the C*-algebra generated by $Z^{(\mathfrak{a})}$. This is joint work with Raphael Clouatre.