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Nest representations of directed graph algebras

To each directed graph, there are two natural non-self-adjoint operator algebras. We investigate nest representations of these algebras, *i.e.*, representations with range that is dense in an algebra of upper triangular matrices or a nest algebra. In particular, we show that the finite dimensional nest representations separate points and we characterize when there is a faithful nest representation.

This is joint work with Elias Katsoulis.