



Analysis Seminar

Partially Positive Semidefinite Maps on $*$ -Semigroupoids.

By

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Abstract: Motivated by Cuntz-Krieger-Toeplitz systems associated with undirected graphs and representations of groupoids, we obtain a generalization of the Sz-Nagy's Dilation Theorem for operator-valued partially positive semidefinite maps on $*$ -semigroupoids with the unit, with varying degrees of aggregation, firstly by $*$ -representations with unbounded operators and then we characterize the existence of the corresponding $*$ -representations by bounded operators.

Date: Wednesday, October 4, 2023

Time: 13:45 – 14:45

Place: Mathematics Seminar Room, SA – 141