A CONSTRUCTIVE PROOF OF A NONCOMMUTATIVE FEJÉR–RIESZ THEOREM

PALAK ARORA

Abstract. In this paper, we present a constructive proof of Popescu’s Fejér-Riesz theorem for noncommuting polynomials representing nonnegative “multi-Toeplitz” operators.


Keywords and phrases: Multi-Toeplitz operator, outer factorization, Schur complements.

REFERENCES


