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Summary: We look at Toeplitz arrays on $\mathbb{Z}^d$ and study a characterizing property for pure discrete spectrum in terms of the periodic structures of the Toeplitz arrays.

MSC:
37B50 Multi-dimensional shifts of finite type, tiling dynamics (MSC2010)
52C23 Quasicrystals and aperiodic tilings in discrete geometry
37B10 Symbolic dynamics

Keywords:
Toeplitz array; pure discrete spectrum

Full Text: DOI