

# Spectral properties of quasicrystal Laplacians.

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Quasicrystals are known for their peculiar properties and it is generally accepted that certain strange phenomena should occur in the spectral decomposition of the respective Laplacians. These are modeled with the help of certain dynamical systems. The talk is based on joint work with S. Klassert, D. Lenz and C. Seifert and gives an introductory account of the rigorous results and the open questions in this area of Mathematical Physics.