Flat Band Quastiperiodic Lattices JOSHUA BODYFELT, SERGEJ FLACH, CARLO DANIELI, Massey University — Translationally invariant lattices with flat bands (FB) in their band structure possess irreducible compact localized flat band states, which can be understood through local rotation to a Fano structure. We present extension of these quasi-1D FB structures under incommensurate lattices, reporting on the FB effects to the Metal-Insulator Transition.

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