

* Electronic Address: scheurle@ma.tum.de

¹ Technical University of Munich

Patterns in Fourier space

Jürgen Scheurle^{1*}

We consider periodic as well as quasiperiodic functions which are invariant under the action of some symmetry group. Motivated by crystallography and other applications we discuss consequences concerning the structure of the representation of those functions in Fourier space. Also, equivariant vector fields are considered.