Harmonic Analysis

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1.1 Harmonic analysis on finite abelian group

Let G be a finite abelian group.

Consider $\pi : G \to U(V_\pi)$ and $\pi : \mathcal{F}(G) \to end(V_\pi)$. which i

Fix an eigenspace, $m : \pi(\mathcal{F}(G)) \to \mathbb{C}$ so $\exists\ v \neq 0$ for $\pi(f)v = \lambda v$