
LAURA DE CARLI, Florida International University

p-Riesz bases in quasi shift invariant spaces

Let $\psi \in L^p(\mathbb{R}^d)$, with $1 \leq p < \infty$. We investigate Riesz bases in quasi shift invariant space in the form of $V^p(\psi; X) = \overline{\text{Span}\{\tau_{x_j}\psi\}}^{L^p}$ where $X = \{x_j\}_{j \in \mathbb{Z}} \subset \mathbb{R}^d$ is discrete and $\tau_u f(x) = f(x + u)$ is the translation.