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""2. Harmonic analysis on Riemannian symmetric spaces of the noncompact type"""""3. Paley-Wiener spaces _{ }( )""; ""4. Average sampling and almost Parseval frames in Paley-Wiener spaces on Riemannian manifolds""; ""5. Nearly Parseval Paley-Wiener frames on = / ""; ""References""; ""Projective multiresolution analyses over irrational rotation algebras""; ""1. Introduction""; ""2. Preliminaries""; ""3. Definition of projective multiresolution analysis""; ""4. A PMRA over _{ } that is initially free""; ""5. Building the module frame""; ""6. Conclusion and open questions""
""References"""""Part II [.3cm]Commutative Harmonic Analysis""; ""Regularity of abelian linear actions""; ""1. Introduction""; ""2. Analytic group actions and regular orbits""; ""3. Group action on a fiber bundle""; ""4. Linear action of a connected abelian group""; ""References""; "" -widths and approximation theory on compact Riemannian manifolds""; ""1. Introduction and main results""; ""2. Kernels of elliptic operators on compact Riemannian manifolds""; ""3. Proof of Theorem 1.1""; ""4. Widths of balls in Besov spaces""; ""5. Approximation theory on compact homogeneous manifolds""
""References"""""A four dimensional continuous wavelet transform""; ""1. Introduction""; ""2. The four dimensional transform""; ""3. Notation and definitions""; ""4. A square-integrable irreducible representation""; ""5. The general continuous wavelet transform""; ""6. A discrete frame""; ""References""; ""Part III Applications""; ""Dynamical Sampling in Shift-Invariant Spaces""; ""1. Introduction""; ""2. Dynamical Sampling in Shift-Invariant Spaces""; ""References""; ""High-Frequency Tail Index Estimation by Nearly Tight Frames""; ""1. Introduction""; ""2. Random fields and mexican needlets""
""3. Mexican Needlet Whittle-like approximation to likelihood function""