

Public Abstract

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Graduation Term:SS 2013

Department:Mathematics

Degree:PhD

Title:Frames and Projections

Frames are redundant representation systems that are often used in signal processing because of the flexibility they provide. Projections are special linear operators who are their own square. In this dissertation we explore several manifestations of projections in the theory of finite frames. We show that several longstanding open problems in frame theory can be reformulated in terms of projections. From this perspective we can gain new insights into these problems.