1015-46-22 Daniel Radelet* (dprst14@pitt.edu), University of Pittsburgh, Department of Mathematics, 301 Thackeray Hall, Pittsburgh, PA 15206. Reconstruction using incomplete frames of M-bases.
In a Hilbert Space, we may consider a frame to be an overcomplete basis; i.e., we can reconstruct elements of the space as frame dependent series, but without linear independence. In this talk, we show how to construct frames from M-bases by averaging. (Received December 12, 2005)