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Keith F. Taylor* (kft@mathstat.dal.ca), Dept. of Math and Stats, Dalhousie University,
Halifax, NS B3H 3J5, Canada. *The Relation between Frames and Projections in L^1 -algebras.*

The connection between frames in $L^2(\mathbb{R}^n)$, generated by dilations through a fixed matrix A and all translations, and projections in $L^1(G_A)$ will be explored, where G_A is the group of translations and dilations. The relation to the smoothness of the associated "wavelet" will also be discussed. (Received August 19, 2005)