1067-47-621   **Franz Luef*** (`luef@math.berkeley.edu`), Department of Mathematics, UC Berkeley, Berkeley, CA CA 94720. *Crossed products in Gabor analysis and Rieffel projections in rotation algebras.* Preliminary report.

We interpret the Walnut representation of Gabor frames in terms of crossed products associated to rotations of the circle, aka as rotation algebras. Furthermore we rephrase the construction of Rieffel projections in terms of Wexler-Raz biorthogonality relations for tight Gabor frames. Finally we emphasize the relevance of Wiener amalgam spaces for the construction of nice projections in rotation algebras. (Received September 11, 2010)