Kenneth R. Hoover* (khoover@csustan.edu) and Brody Dylan Johnson. Some Ideas for Undergraduate Projects Involving Periodic Wavelets.

A recent paper appearing in the book Wavelets and Multiscale Analysis presents a new approach to constructing MRA wavelets on the two-dimensional torus which improves upon the previously used method of periodizing non-periodic wavelets. This construction will be briefly presented with emphasis given to possible undergraduate projects which could be associated with it. (Received September 22, 2011)