1037-42-126 Eric Weber* (esweber@iastate.edu), 396 Carver Hall, Department of Mathematics, Iowa State University, Ames, IA 50011, and Brody Johnson, Math and CS Department, 221 N Grand Blvd, St. Louis, MO 63103. Construction of Orthogonal Wavelet Frames. Preliminary report.

We present some recent results on the construction of orthogonal wavelet frames for $L^2(\mathbb{R})$. (Received January 29, 2008)