1000-62-219 **Sam Efromovich*** (`efrom@math.unm.edu`), Dept. of Mathematics and Statistics, University of New Mexico, Albuquerque, NM 87131-0001. *Analysis of Blockwise Shrinkage Wavelet Estimates via Lower Bounds.*

A blocklwise wavelet shrinkage nonparametric estimation has shown to be well suited for many applied settings of nonparametric curve estimation. After presenting some examples of how the estimator performs, new theoretical results on its performance are presented. The results are based on a new type of lower bounds developed for a single underlying curve. (Received August 24, 2004)