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Onur Oktay* (ooktay@math.umd.edu), 4310 Department of Mathematics, University of Maryland, College Park, MD 20740. *Minimization theorem for 1-bit quantization for finite frames*. Preliminary report.

One of the primary goals of digital signal processing is to obtain a digital representation of the signals of interest that is suitable for transmission and storage. This step is called the quantization step. In this talk, we shall present a coarse quantization method that uses minimization techniques. (Received August 21, 2007)