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Ziemowit Rzeszotnik* (zioma@math.utexas.edu), Department of Mathematics, University of Texas at Austin, Austin, TX 78712, and **Xiaofei Zhang**, Department of Mathematics, Texas A&M University, College Station, TX 77843. *Unitary operators preserving wavelets.*

We characterize unitary operators which preserve orthonormal wavelets. In the process we also prove that symmetric wavelet sets cover real line. (Received September 27, 2002)