1077-42-399 **Caroline Sweezy** and **James Michael Wilson*** (`jmwilson@uvm.edu`), Dept of Mathematics, University of Vermont, Burlington, VT 05405. *Intrinsic square function and almost-orthogonality on homogeneous spaces.*

We describe a generalization of the intrinsic square function to homogeneous spaces. We show how it leads to an extension of an almost-orthogonality result, due to Frazier, Jawerth, and Weiss, to homogeneous spaces having minimal translation-invariant structure. (Received August 29, 2011)