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Randall J Swift* (rjswift@csupomona.edu), Department of Mathematics & Statistics,
California State Polytechnic University, Pomona, CA 91768. *A Spectral Representation of a Class
of Nonstationary Processes*. Preliminary report.

In this talk, an extension of the weakly harmonizable class of processes is considered. This class, termed almost periodic contractive harmonizable, is based upon the natural contractive operator associated with harmonizable processes. A spectral representation of these processes is obtained. A relation between the almost periodic contractive harmonizable and the oscillatory harmonizable classes is considered. This relationship yields a series representation for the almost periodic contractive harmonizable class. (Received September 10, 2009)