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Jeremy J Becnel* (becneljj@sfasu.edu), Department Of Mathematics and Statistics, Stephen F. Austin State University, Nacogdoches, TX 75962-3040. *White Noise Delta Function for an Affine Subspace.*

The Kubo-Yokoi and Donsker delta functions are well known generalized functions in infinite dimensional distribution theory. In this presentation we develop the delta function for an affine subspace and show that it is a generalization of the Kubo-Yokoi and Donsker delta functions. The Wiener-Ito expansion of the delta function for an affine subspace will also be presented. (Received September 22, 2006)