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Weidong Chen* (weidong.chen@mnsu.edu), Department of Mathematics and Statistics, 273
Wissink Hall, Minnesota State University, Mankato, MN 56001. *A Regularized Two-Dimensional
Sampling Algorithm.*

In this talk, a regularized sampling algorithm for band-limited signals is presented in the two-dimensional case. The convergence of the regularized sampling algorithm is studied and compared with Shannon's sampling theorem and the Tikhonov Regularization Method by some examples. (Received September 16, 2017)