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Cristina Tone* (cristina.tone@louisville.edu), 328 Natural Sciences Building, Department of Mathematics, University of Louisville, Louisville, KY 40292. *A Central Limit Theorem for Multivariate Strongly Mixing Random Fields.*

We introduce a central limit theorem for strictly stationary random fields of random vectors satisfying the strong mixing condition, in the presence of an interlaced dependence assumption. The result is an extension of Bradley's Corrolary 29.33 from "Introduction to Strong Mixing Conditions", Vol. 3, Kendrick Press, 2007. (Received August 29, 2012)