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**Ciprian Demeter** and **S. Zubin Gautam\*** (sgautam@indiana.edu), Department of Mathematics, Indiana University, Rawles Hall, 831 East 3rd St., Bloomington, IN 47405. *On the finite linear independence of lattice Gabor systems.*

In the restricted setting of product phase space lattices, we give an alternate proof of P. Linnell's theorem on the finite linear independence of lattice Gabor systems in  $L^2(\mathbb{R}^d)$ . Our proof is based on a simple argument from the spectral theory of random Schrödinger operators; in the one-dimensional setting, we recover the full strength of Linnell's result for general lattices. (Received August 15, 2010)