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Rabi N Bhattacharya* (rabi@math.arizona.edu), Department of Mathematics, The University of Arizona, 617 N Santa Rita Avenue, Tucson, AZ 85721. *Iteration of IID Monotone Maps.*

We explore conditions for the existence of steady states for Markov processes generated by iterations of IID monotone maps on Euclidean spaces. Also studied are speeds of convergence to the steady state in appropriate metrics. (Received September 02, 2009)