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Frederico Rodriguez Hertz*, University Park, State College, PA 16801. *Random dynamics and a formula for Furstenberg entropy.*

Joint with Aaron Brown, in our study of stationary measures for random diffeomorphisms we found a formula for the Furstenberg entropy involving Lyapunov exponents and dimensions. In this talk I will describe the formula and give some consequences of it. (Received April 22, 2014)