1096-37-435   **Karl Petersen*** (`petersen@math.unc.edu`), Department of Mathematics, University of North Carolina, Chapel Hill, NC 27599, and **Benjamin Wilson**, Departrment of Mathematics, University of North Carolina, Chapel Hill, NC 27599. *Measuring complexity and interconnectivity in dynamical systems.* Preliminary report.

Edelman, Sporns, and Tononi proposed a variation on entropy that they called "intricacy" as a measure of complexity or interconnectivity of neural networks. Buzzi and Zambotti studied it for families of random variables. We define a version for dynamical systems and examine some of its properties, including comparison with the usual measure-theoretic and topological entropies. (Received September 11, 2013)