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Kelly B Yancey* (kyancey@umd.edu) and **Giovanni Forni**. *Dynamics of Self-Similar Interval Exchange Transformations*. Preliminary report.

In this talk I will discuss dynamics on interval exchange transformations and specifically those transformations that are self-similar. A self-similar interval exchange transformation is one that is periodic under Rauzy induction. I will show that self-similar IETs on three intervals cannot be weakly mixing and rigid. (Received January 19, 2015)