

1077-37-1444      **Michael Field\*** (mikefield@gmail.com). *Mixing rates for flows.*

Although it is often assumed that hyperbolic theory is (now) well understood, rather little is still known about mixing for hyperbolic flows that do not satisfy strong geometric conditions (for example, contact Anosov flows). Nothing seems to be known about hyperbolic basic sets that are not attractors, repellers or suspensions of subshifts of finite type (or products of known examples). In this talk, we review some results about exponential mixing for suspension flows and compare with previous results on rapid mixing. (Received September 19, 2011)