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Jaydev Athreya (jonchaika@gmail.com) and **Jon Chaika*** (jonchaika@gmail.com), 1018 E 54th st, #2, Chicago, IL 60615. *The set of minimal but not uniquely ergodic 4-IETs has Hausdorff dimension $2 \frac{1}{2}$.*

We prove that the set of minimal but not uniquely ergodic 4-IETs has Hausdorff dimension $2 \frac{1}{2}$ in a 3 dimensional space. This is joint work with J. Athreya. (Received February 18, 2013)