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**Elizabeth Sattler\***, elizabeth.sattler.1@ndsu.edu. *Fractal dimensions of subfractals induced by sofic subshifts*. Preliminary report.

In this talk, we will consider subfractals of hyperbolic iterated function systems which satisfy the open set condition. The subfractals will consist of points associated with infinite strings from a sofic subshift on the symbolic space. We will use a topological pressure function to find bounds for the Hausdorff and upper box dimensions of the subfractals. (Received August 23, 2015)