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Elizabeth Sattler* (elizabeth.sattler.1@ndsu.edu). *Dimension calculation for an invariant measure supported on a subfractal.* Preliminary report.

In this talk, we will examine properties, including fractal dimensions, of subfractals induced by subshifts of finite type or sofic subshifts. We will construct an invariant measure supported on a subfractal induced by a subshift of finite type and discuss a method for calculating the Hausdorff dimension of such a measure. (Received February 02, 2016)