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**Emily J Evans\*** ([montu.gm@gmail.com](mailto:montu.gm@gmail.com)), TMCB 275, Brigham Young University, Provo, UT 84602. *Finite Element Techniques for Prefractal Problems.*

In this talk we will consider numerically solving problems on domains with prefractal Koch curve boundaries. Discretization of these domains is interesting as the mesh must be adapted to both the fractal iterations as well as any refinement that must occur due to singular points. In our talk we will describe construction of these meshes as well as refinement techniques to account for singularities in these domains. (Received August 29, 2011)