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Jeremy Clark* (jeremy@olemiss.edu), P.O. Box 1848, University, MS, 38677. *Continuum models of directed polymers on disordered diamond fractals in the critical case.*

We will discuss a family of random measures on pathways crossing a diamond fractal arising through distributional limits of discrete models for directed polymers on a hierarchical lattice. Our toy model has some similarities to the critical scaling regime for random polymers on the (2+1)-dimensional rectangular lattice recently subject to a breakthrough by Caravenna, Sun, and Zygouras. (Received September 18, 2021)