1078-60-304 **Derek Lougee** and **Benjamin Steinhurst***, steinhurst@math.cornell.edu. *Percolation on Non-p.c.f. Sierpinski gaskets and hexacarpets.*

We discuss bond percolation on the a non-post critically finite analogue to the usual Sierpinski carpet and show that critical probability to percolate across the fractal is strictly less than one. Then using a modified dual graph argument we show that it is strictly greater than zero giving a non-trivial phase transition. The dual graph that arises is the hexacarpet which has recently been taken up as an interesting example. Our methods give a non-trivial phase transition on the hexacarpet as simple corollary to the main argument. (Received December 12, 2011)