1070-60-160 **Richard W Kenyon*** (`rkenyon@math.brown.edu`). *Cycle-rooted spanning forests.*

The cycle-rooted spanning forest (CRSF) on a graph is a natural generalization of a spanning tree. It is a subset of the edges of a graph in which each component has as many vertices as edges. We study natural determinantal probability measures on CRSFs. We show that in appropriate scaling limits on the square grid, the cycle structure is conformally invariant. (Received February 08, 2011)