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Greene Street, Columbia, SC 29208. *Random pro-p groups and random Galois groups.*

Dunfield and Thurston studied how the distribution of finite quotients of a random g -generator g -relator abstract group compares with that of the fundamental group of a random 3-manifold obtained from a genus- g Heegard splitting. We consider the analogous questions for random g -generator g -relator pro- p groups and for Galois groups of maximal pro- p extensions unramified outside a random set S of finite primes where $|S| = g$. (Received January 06, 2007)