

1096-11-552

Bianca A. Thompson* (bat7@hawaii.edu) and **Michelle Manes**. *Periodic points in towers of finite fields for polynomials associated to algebraic groups.*

We find the limiting proportion of periodic points in towers of finite fields for polynomial maps associated to algebraic groups, namely pure power maps $\phi(z) = z^d$ and Chebyshev polynomials. (Received September 05, 2013)