

1155-11-60

**Jon Grantham\*** (grantham@super.org) and **Hester Graves** (hkgrave@super.org). *Primes Which Are Values of Cyclotomic Polynomial.*

We will discuss work on computations of prime values of cyclotomic polynomials  $\Phi_n(x)$ . For  $n = 5$ , these are related to a conjecture of Goldbach, which we verify for  $x < 2.5 \times 10^{14}$ . For  $n = 5$ , these computations are used to disprove a conjecture of Schott. I will cover a few more conjectures, and the history of such computations. (Received December 09, 2019)