1145-11-522   **John Friedlander***, Department of Mathematics, University of Toronto, 40 St. George Street,
                     Toronto, Ontario M5S 2E4, and **Henryk Iwaniec**. *Coordinate distribution of Gaussian*
                     primes. Preliminary report.

We are interested in counting the frequency of "Gaussian" primes $a + 2bi$ when both a and b are taken from arithmetically interesting sequences. In particular, we can succeed if we take a to be prime and b to be an "almost-prime" having no more than seven prime factors. (Received September 08, 2018)