## Haojie Hong - On primes of a class of algebraic numbers in quadratic fields

mardi 23 mai 2023 09:45 (20 minutes)

Let $r$ be an algebraic number of degree 2 and not a root of unity. We can show that there exists a prime ideal P of $\mathrm{Q}(\mathrm{r})$ satisfying $\nu_{P}\left(r^{n}-1\right) \geq 1$, such that the rational prime underlying P grows quicker than n

