

# Séminaire de théorie des nombres

Le 06 mai 2019 à 14h (Jussieu)

## On prime values of binary quadratic forms with a thin variable

Exposé de Damaris Schindler  
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**Résumé :** A result of Fouvry and Iwaniec states that there are infinitely many primes of the form  $x^2 + y^2$  where  $y$  is a prime number. In this talk we will see a generalization of this theorem to the situation of an arbitrary primitive positive definite binary quadratic form. This is joint work with Peter Cho-Ho Lam and Stanley Xiao.