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## Scoil na Matamaitice agus na Staitisticí UCD

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## K-Theory, Quadratic Forms and Number Theory Seminar

## Dr. David Brink (UCD)

will speak on

The density of integers of the form  $\mathbf{u}^2 + nv^2$ 

Wed 3rd February 2010 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let B(x) denote the number of positive integers up to x of the form  $u^2+v^2$ . It is a famous result of Landau that B(x) grows as a=0.7642....Inhis doctoral thesis, Landau's student Bernays showed more generally that the number  $B_n(x)$  of positive integers a=0.8728...is maximal among these constants.

This talk is part of the **K-Theory, Quadratic Forms and Number Theory** series. For more, see https://maths.ucd.ie/seminars