

- ▶ GARETH JONES, *Counting rational points on definable sets.*
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The Pila-Wilkie theorem gives a bound for the number of rational points of bounded height lying on the transcendental part of a set definable in an o-minimal expansion of the real field. I shall explain this theorem and the better bound conjectured by Wilkie for sets definable in the real exponential field. I shall then discuss some instances of this conjecture for curves and surfaces, and some applications.