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Class numbers, quadratics, and exponential Diophantine equations. (English summary)

JP J. Algebra Number Theory Appl. **4** (2004), *no. 3*, 537–548.

In the paper under review, the author investigates relationships between class numbers (resp. the structure of the class group) of imaginary quadratic fields and solutions to exponential Diophantine equations. This is a continuation of his previous work on real quadratic fields [*Glasg. Math. J.* **41** (1999), *no. 2*, 197–206; [MR1700025 \(2000i:11164\)](#)].

Reviewed by *Yann Bugeaud*

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