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Kreuzer**. *On the numbers of the form $x^2 + 11y^2$* . Preliminary report.

Numbers of the form $x^2 + Ny^2$ have been studied for a long time, in particular when N is one of Euler's convenient numbers. Here we consider the first inconvenient number $N = 11$. We use the structure of the modular class group of level 11 to study the set of all numbers having a representation $n = x^2 + 11y^2$. (Received January 06, 2020)