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Joan Lind* (joanlind@gmail.com) and **Huy Tran**. *Regularity of Loewner curves.*

The Loewner equation encrypts a growing simple curve in the plane into a real-valued driving function. We show that if the driving function is in C^β with $\beta > 2$ then the Loewner curve is in $C^{\beta+\frac{1}{2}}$. This extends a result of Carto Wong who proved the statement for $1/2 < \beta \leq 2$. (Received February 09, 2014)