1108-30-513   **Joan Lind*** (`jlind@utk.edu`) 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 January 20, 2015)