1135-30-2678 **David Nielsen Horton*** (horton@math.utk.edu), 227 Ayres Hall, 1403 Circle Drive, Knoxville, TN 37996-1320. *A Bound for Loewner-Weierstrass Hulls.* Preliminary report.

The Loewner Equation gives a one-to-one correspondece between continuous $\mathbb{R}$-valued functions and certain simply connected subsets of the upper half-plane, $\mathbb{H}$. It has been shown that the hulls generated by the Weierstrass function exhibit a phase change from simple curves to something else. However, these results focused on showing the existence of this phase change and gave only rough estimates of the bounds used. By leveraging the scaling property of the Weierstrass function, I have developed the means to tighten these bounds and I have a much sharper bound on the Lip-1/2 norm of the Weierstrass function. (Received September 26, 2017)