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**Robert L. Benedetto\*** (rlbenedetto@amherst.edu) and **Junghun Lee**. *Hyperbolicity and  $J$ -stability in non-archimedean dynamics.*

Let  $K$  be a complete and algebraically closed non-archimedean field, and let  $f \in K(z)$  be a rational function of degree  $d \geq 2$ . The map  $f$  is said to be hyperbolic if there is some metric on its Julia set with respect to which it is expanding. We prove that if  $f$  is hyperbolic, then a certain stability property of its Julia set holds in some neighborhood of  $f$  in the moduli space  $M_d$ . (Received September 10, 2020)