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Cynthia L. Curtis* (ccurtis@tcnj.edu), Department of Mathematics and Statistics, The College of New Jersey, Ewing, NJ 08628, and **Samuel J. Taylor**. *The Jones polynomial and boundary slopes of alternating knots.*

We show for an alternating knot the minimal integral boundary slope is given by the signature plus twice the minimum degree of the Jones polynomial and the maximal integral boundary slope is given by the signature plus twice the maximum degree of the Jones polynomial. For alternating Montesinos knots, these are the minimal and maximal boundary slopes. (Received February 23, 2011)