1131-37-84   **Kevin M Pilgrim*** (`pilgrim@indiana.edu`), Department of Mathematics, Rawles Hall, 831 E. 3rd St., Indiana University, Bloomington, IN 47405, and **Dylan P Thurston** (`dpthurst@indiana.edu`), Department of Mathematics, Rawles Hall, 831 E. 3rd St., Indiana University, Bloomington, IN 47405. *Graph energies and Ahlfors-regular conformal dimension.* Preliminary report.

For a hyperbolic post-critically finite rational map, we show that the critical exponent for the asymptotic graph energy introduced by the second author agrees with the Ahlfors-regular conformal dimension of the Julia set. (Received July 05, 2017)