1145-05-867   **Yukun Yao** and **Doron Zeilberger*** (`doronzeil@gmail.com`), Department of Mathematics, Rutgers University, Piscataway, NJ 08544. *An experimental mathematics approach to Parking Functions.*

We illustrate the experimental, empirical, approach to mathematics (that contrary to popular belief, is often rigorous), by using parking functions and their "area" statistic, as a case study. Our methods are purely finitistic and elementary, taking full advantage, of course, of our beloved silicon servants. (Received September 16, 2018)