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H. Yang, Department of Mathematics/CS, Virginia State University, Petersburg, VA 23806, **Z. Wang** (zwang@vwc.edu), Department of Mathematics/CS, Virginia Wesleyan College, Norfolk, VA 23502, and **J. Ding*** (Jiu.Ding@usm.edu), Department of Mathematics, The University of Southern Mississippi, Hattiesburg, MS 39406. *Statistical Study of Chaos using Web-based Computation.*

One author (J. Ding) of this paper has taught a graduate course on chaos several times at the Southern Miss, and many students of the class are mathematics teachers. This course is a very good example of using algebra and calculus to introduce chaos concepts to teachers. Recently we have developed a web-based computational tool that can be combined with the class lectures on the computation of invariant measures, which is for the statistical study of chaos. This talk will describe this approach of mathematical education of teachers. (Received July 15, 2005)