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Jiu Ding* (jiudin@gmail.com), Department of Mathematics, University of Southern Mississippi, 118 College Dr., Box 5045, Hattiesburg, MS 39406, and **Yifa Tang**, State Key Laboratory of Scientific and Engine, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, 100190, Peoples Rep of China. *Non-convexity of the Dimension Function for Sierpiński Pedal Triangles.*

We disprove a recent conjecture on the Schur-convexity of the dimension function for the family of Sierpiński pedal triangles. We also show that this function is not convex and the related area-ratio function is not concave in their respective domain. (Received June 29, 2009)