962-05-1336   **Hang Chen*** (`hc8907@cmsu2.cmsu.edu`), Dept. of Math. & Comp. Sci., Central Missouri State Univ., Warrensburg, MO 64093-5045, and **Allen J. Schwenk** (`schwenk@wmich.edu`), Department of Mathematics, Western Michigan University, Kalamazoo, MI 49008. *Cycle Exponents of Maximal Planar Graphs.*

The sizes of the longest cycles in the family of maximal planar graphs are investigated. Cycle exponents are used to measure the longest cycles. The greatest lower bound of all cycle exponents of the family of maximal planar graphs is proved to be at least 1/2. (Received October 03, 2000)