

1046-22-1766

Phoebe Ho McLaughlin* (pmclaughlin@ucmo.edu), University of Central Missouri, Department of Math and Computer Science, WCM 227, Warrensburg, MO 64093, **Shing S. So**, University of Central Missouri, Department of Math & Computer Science, WCM 205A, Warrensburg, MO 64093, and **Haohao Wang**, Southeast Missouri State University, Department of Mathematics, MS6700, One University Plaza, Cape Girardeau, MO 63701. *On Maximal Ideals of Compact Connected Mobs*. Preliminary report.

In a compact mob S , some studies have been done on ideals of S under the condition $S^2 = S$. In this paper, we further investigate the connection between the structure of ideals, especially maximal ideals, of a compact connected mob S and the conditions of $S^2 = S$ and $S^2 \neq S$. (Received September 16, 2008)