1116-49-1978 **Xin Luo*** (xluo10@crimson.ua.edu) and **Min Sun**. *An Improved Modal Interval Algorithm for Unconstrained Continuous Minimax Problems.*

Continuous minimax problems can be applied to engineering, finance and other fields. Based on Miguel Á. Sainz [Journal of Mathematical Analysis and Applications. 339(2008) 18-30], we introduced a new definition of semantic extensions and developed an improved algorithm using modal intervals to solve unconstrained continuous minimax problems. The convergence of the algorithm and more deletion conditions are proposed in this paper. Numerical results of several typical examples show that the algorithm is reliable and efficient. (Received September 21, 2015)