## 1046-05-223 Hsin-Hao Lai and Ko-Wei Lih\* (makwlih@sinica.edu.tw), Institute of Mathematics, Academia Sinica, Nankang, Taipei, 11529, Taiwan, and Li-Da Tong. Fully Orientability of Graphs with at Most One Dependent Arc.

Suppose that D is an acyclic orientation of a graph G. An arc of D is *dependent* if its reversal creates a directed cycle. Let  $d_{\min}(G)$  ( $d_{\max}(G)$ ) denote the minimum (maximum) of the number of dependent arcs over all acyclic orientations of G. We call G fully orientable if G has an acyclic orientation with exactly d dependent arcs for every d satisfying  $d_{\min}(G) \leq d \leq d_{\max}(G)$ . We show that a connected graph G is fully orientable if  $d_{\min}(G) \leq 1$ . This generalizes the main result in Fisher et al., J. Combin. Theory Ser. B 71 (1997), 73-78. (Received August 20, 2008)