Garner Cochran* (gcochran@math.sc.edu), Eva Czabarka and Peter Dankelmann. Quick Trips: An Improved Bound on the Oriented Diameter of Graphs.

It was shown by Dankelmann that the oriented diameter of a graph with order \( n \) and minimum degree \( \delta \) can be bounded above by \( 11 \frac{n}{\delta+1} \) and below by \( 3 \frac{n}{\delta+1} \). The upper bound was improved by Surmacs to \( 7 \frac{n}{\delta+1} \). In this talk we will show a further improvement of this bound. (Received September 26, 2017)