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**Katherine Vance\*** (kvance@rice.edu), Houston, TX. *A Tau invariant for links.*

In 2003, Ozsváth and Szabó defined the concordance invariant  $\tau$  for knots in  $S^3$  as part of the Heegaard Floer homology package. In 2011, Sarkar gave a combinatorial definition of  $\tau$  and proof that  $\tau$  gives a lower bound on the slice genus of a knot. We define a  $\tau$  invariant for links. Using techniques similar to those of Sarkar, we show that the  $\tau$  invariant can be an obstruction to a link being slice. (Received August 10, 2015)