1070-57-317 **Ryan C Blair*** (ryblair@math.upenn.edu) and **Maggy Tomova**. *Width is Not Additive.*

We examine the behavior of Gabai's notion of width of a knot under the operation of connected sum. We develop the construction suggested by Scharlemann and Thompson to obtain an infinite family of pairs of knots K_1 and K_2 so that $w(K_1 \sharp K_2) = max\{w(K_1), w(K_2)\}$. This is the first known example of a pair of knots such that $w(K_1 \sharp K_2) < w(K_1) + w(K_2)$. (Received February 15, 2011)