

ON THE POSITION OF THE CONNECT SUM OF KNOTS

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Scharlemann–Schultens have shown that for any pair of knots K_1 and K_2 , $w(K_1\#K_2) \geq \max\{w(K_1), w(K_2)\}$. Scharlemann–Thompson have given a scheme for possible examples where equality holds. Using results of Scharlemann–Schultens, Rieck–Sedgwick, and Thompson, it is shown that for K_1 mp-small and K_2 any knot, $w(K_1\#K_2) > w(K_1)$.

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