On the presentation of links as a sum of two descending tangles

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We will show that every link can be presented as the sum of two descending $2n$-tangles which consist of n arcs with their own relative height. Clearly the minimal number $\tau(L)$ of n such that L admits a descending $2n$-tangle presentation is a link invariant. We will show the relationship between $\tau(L)$ and the well-known numerical link invariants; such as the minimal crossing number $c(L)$, the arc-index $\alpha(L)$, the polygon index $P(L)$, etc. Also we will calculate $\tau(L)$ for some class of links.

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