1137-57-243   **Daniel S Silver** and **Susan G Williams*** (`swilliam@southalabama.edu`). *Tangles and links: a view with trees.*

In 1999, D. Krebes used the Kauffman bracket and skein theory to show that if a tangle T embeds in a link ℓ, then the determinant of ℓ is divisible by the gcd of the determinants of the numerator and denominator closures of T. D. Ruberman later gave a proof using homology of branched cyclic covers. We give a short proof using an elementary result about spanning forests for graphs. We also recover an analogous result about 6-tangles that first appeared in the authors' 2005 paper with J. Przytycki. (Received February 05, 2018)