
Equation 9. $E_4(1,2)$ has an extra $\kappa$ factor that does not belong. The equation in the paper reads:

$$E_4(1,2) = n_{\text{screen}}_A n_{\text{screen}}_B (1/R)(1 - (1 - \kappa)^3 [1/16(1 - 5\kappa - 4\kappa^2) - 1/8\kappa s_A] \exp(-2s_A) - (1 + \kappa)^2 [1/16(15 - 22\kappa + 15\kappa^2 - 4\kappa^3) + 3/8(3 - 3\kappa + \kappa^2)s_b + 1/4(2 - \kappa)s_b^2 + (1/12)\kappa s_b^3] \exp(-2s_b))$$

However, the kappa (red in this document) in the last $s_b^3$ term should not be there as may be verified from ref. 46. This is just a typo in the paper. There is no error in our computer code or in any of our numerical results.

We are grateful to Josh Rackers for pointing out this typo.