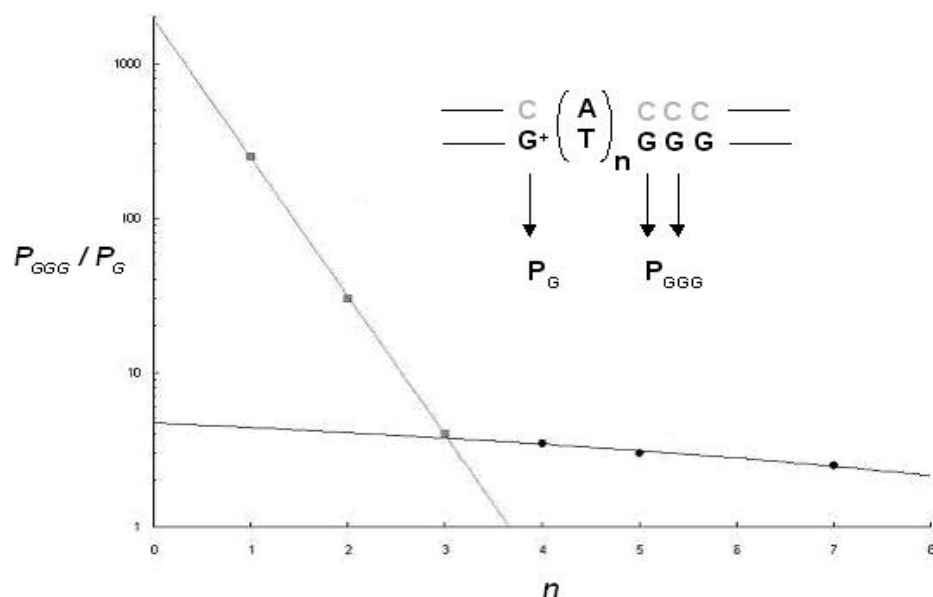


Theoretical study on hole transfer in native and chemically modified DNA

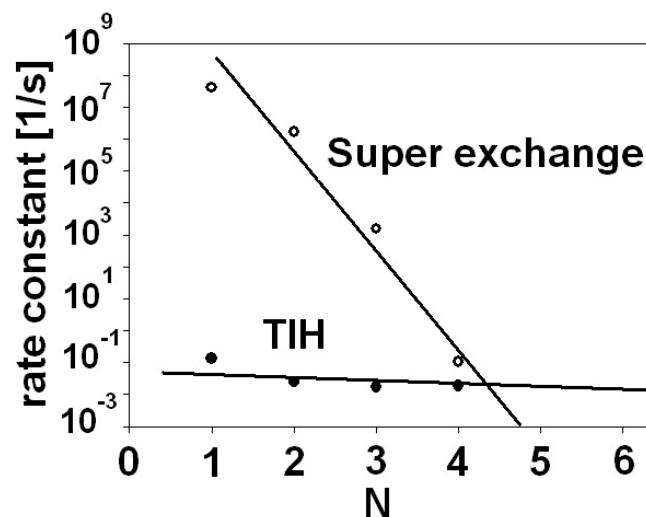
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B. Giese et.al., *Nature*, **412**, p318, 2001.

$$k = \frac{2\pi}{\hbar} V^2 \frac{1}{(4\pi\lambda k_B T)^{1/2}} \exp\left[-\frac{\Delta G^*}{k_B T}\right]$$



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J. Phys. Chem. B., **109**, p1295, 2005.