

$F_{ab}(x_r) = \text{unbunte Rezeptorerregung}$

$$F_{ab}(x_r) = b \frac{e^{x_r/a} - e^{-x_r/a}}{e^{x_r/a} + e^{-x_r/a}} = b \frac{p - q}{p + q}$$

$$p = e^{x_r/a} \quad q = e^{-x_r/a}$$

$$a=1,00, b=1,00 \quad e=2,718282$$

$$F'_{ab}(x_r) = 4b / [a \{e^{x_r/a} + e^{-x_r/a}\}^2] = 4b / [a \{p + q\}^2]$$

$$a=1,00; b=1,00$$

Asymptote

