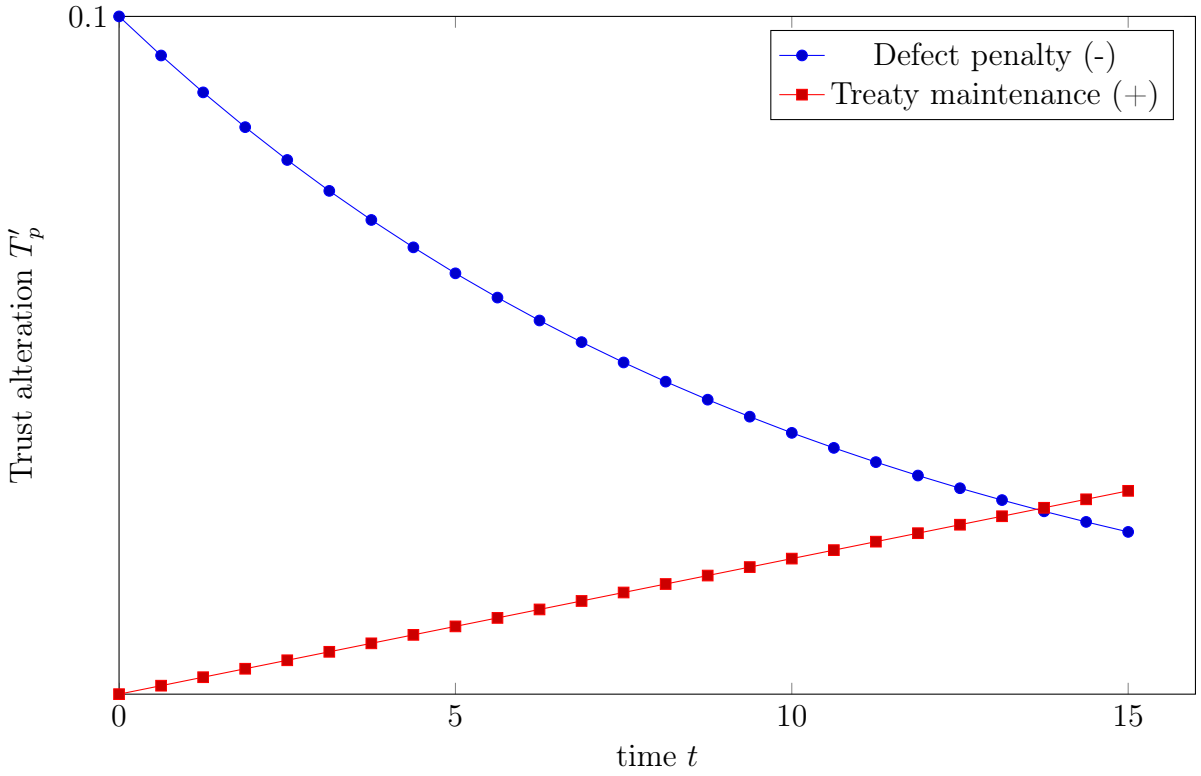
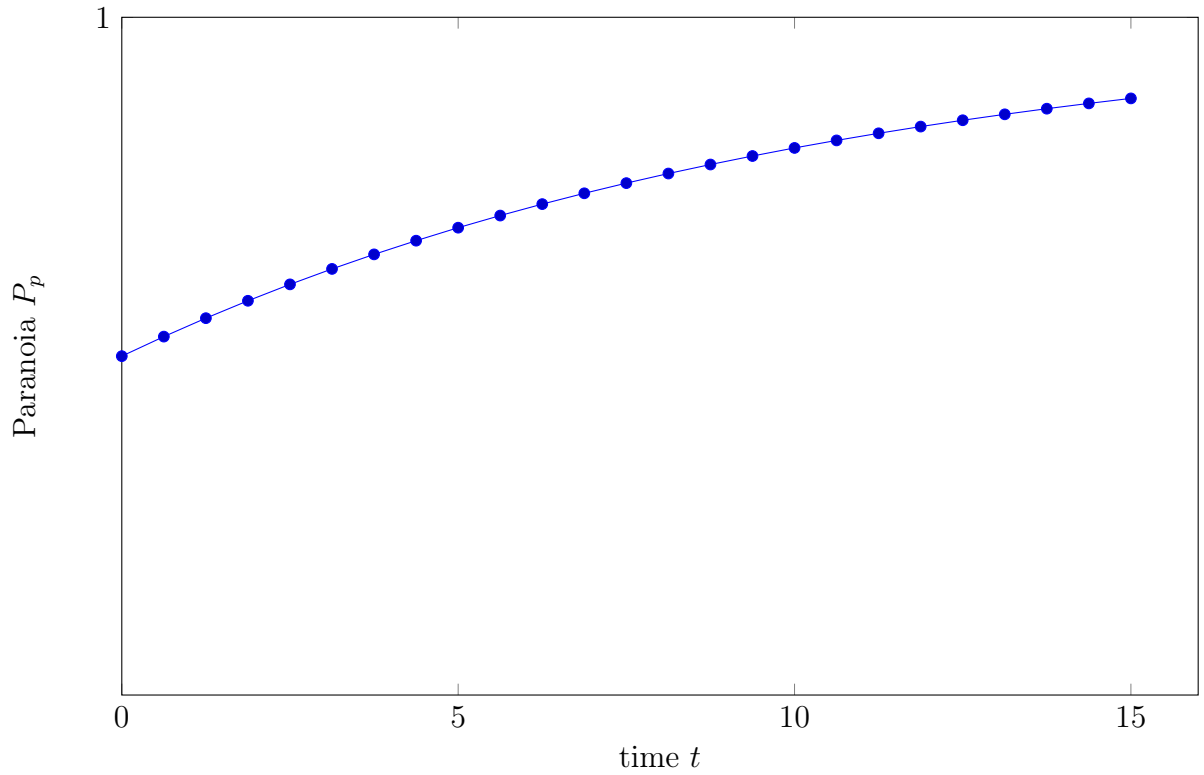
supIntolerance = S 0.0005
supFavor = σ
time = t
Trust = T
Decay = D = 1.1
Paranoia = P
incTrust = τ = 0.002

For defecting a treaty:

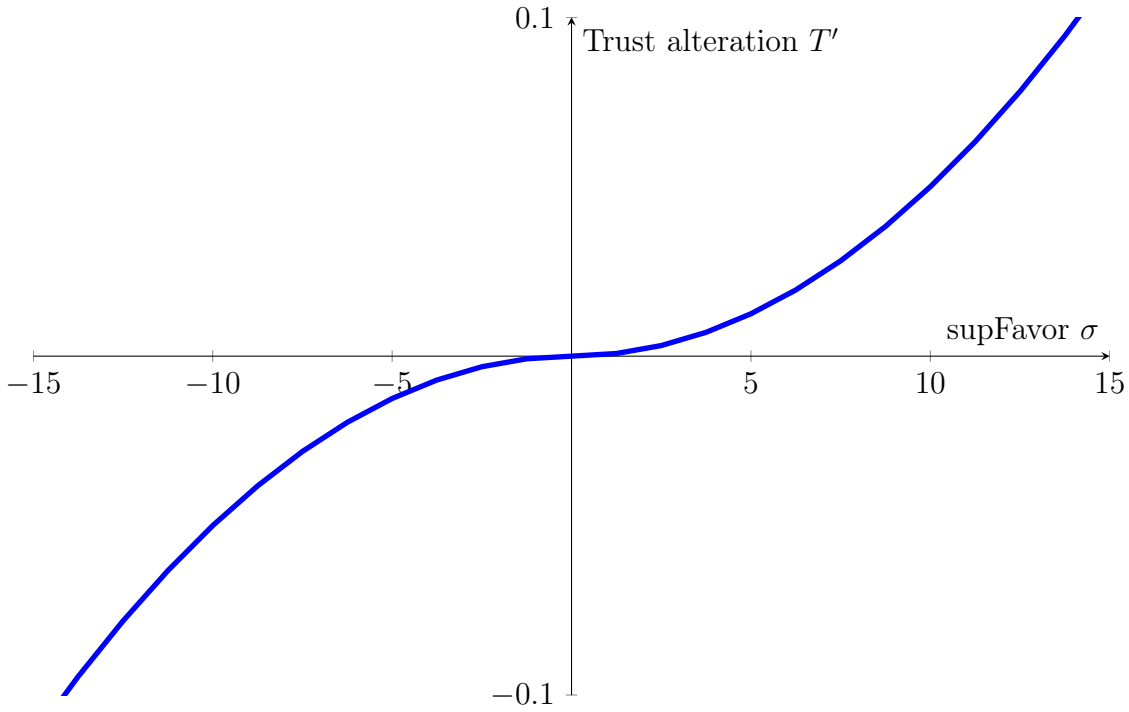
$$T'_p = T_p - \frac{D^{-t}}{10}$$



$$P_p = \begin{cases} 1 - \left(D^{-t} \cdot T_p\right) & \text{for } T > 0 \\ 1 & \text{for } T = 0 \end{cases}$$



$$T_p' = T_p + \begin{cases} (S \cdot \sigma)^2 & \text{if } \sigma > 0 \text{ \& ACCEPT} \\ -(S \cdot \sigma)^2 & \text{if } \sigma < 0 \text{ \& REJECT} \\ 0 & \text{if } (\sigma \leq 0 \text{ \& ACCEPT}) \text{ or } (\sigma \geq 0) \text{ \& REJECT} \end{cases}$$


0.1
Trust alteration T'
supFavor σ
−15
−10
−5
5
10
15
−0.1