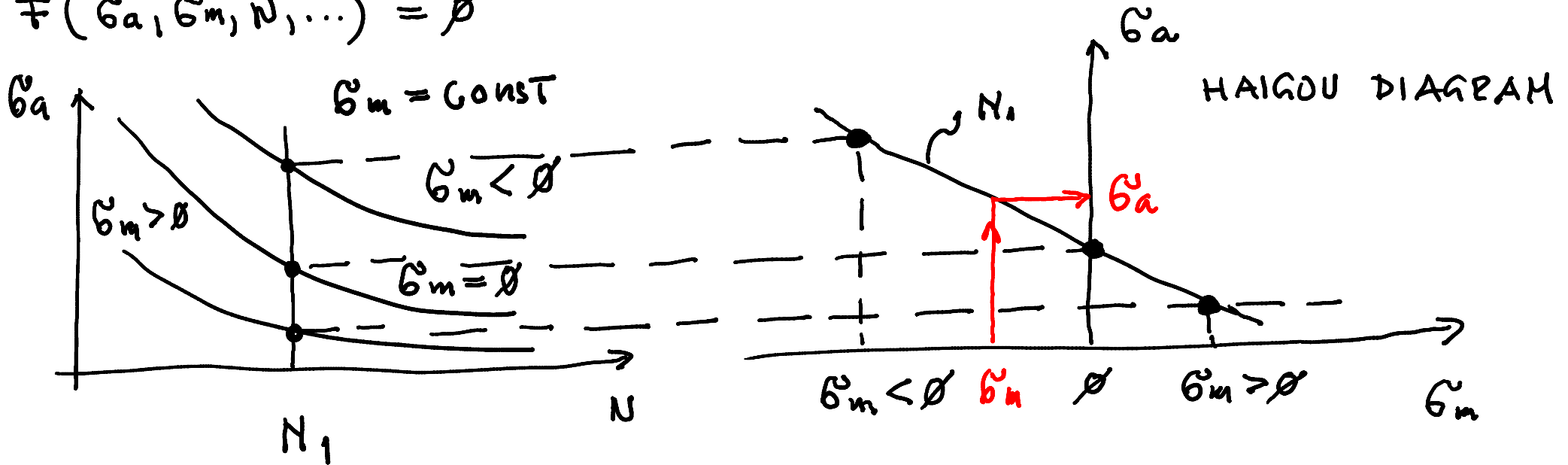


POSPLOŠENA FUNKCIJA ČASOVNE TRDNOSTI

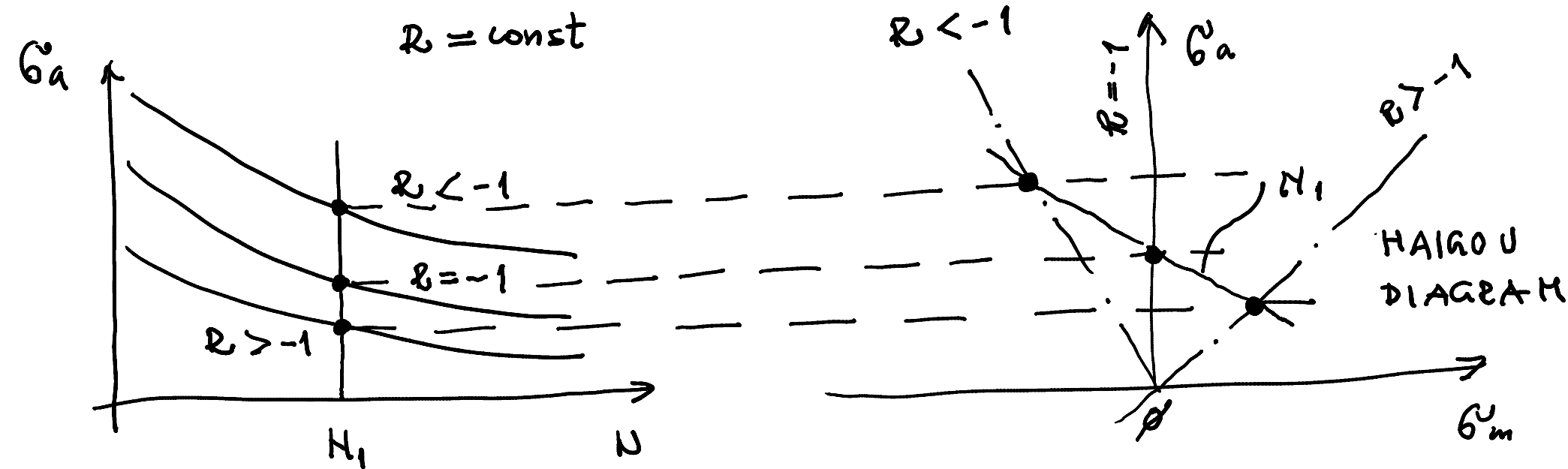
$$F(\sigma_a, \sigma_m, N, \dots) = \emptyset$$



$$R = \frac{\sigma_{\min}}{\sigma_{\max}} = \frac{\sigma_m - \sigma_a}{\sigma_m + \sigma_a} \rightarrow R(\sigma_m + \sigma_a) = \sigma_m - \sigma_a$$

$$\sigma_a(1+R) = \sigma_m(1-R)$$

$$\sigma_a = \frac{(1-R)}{1+R} \sigma_m$$

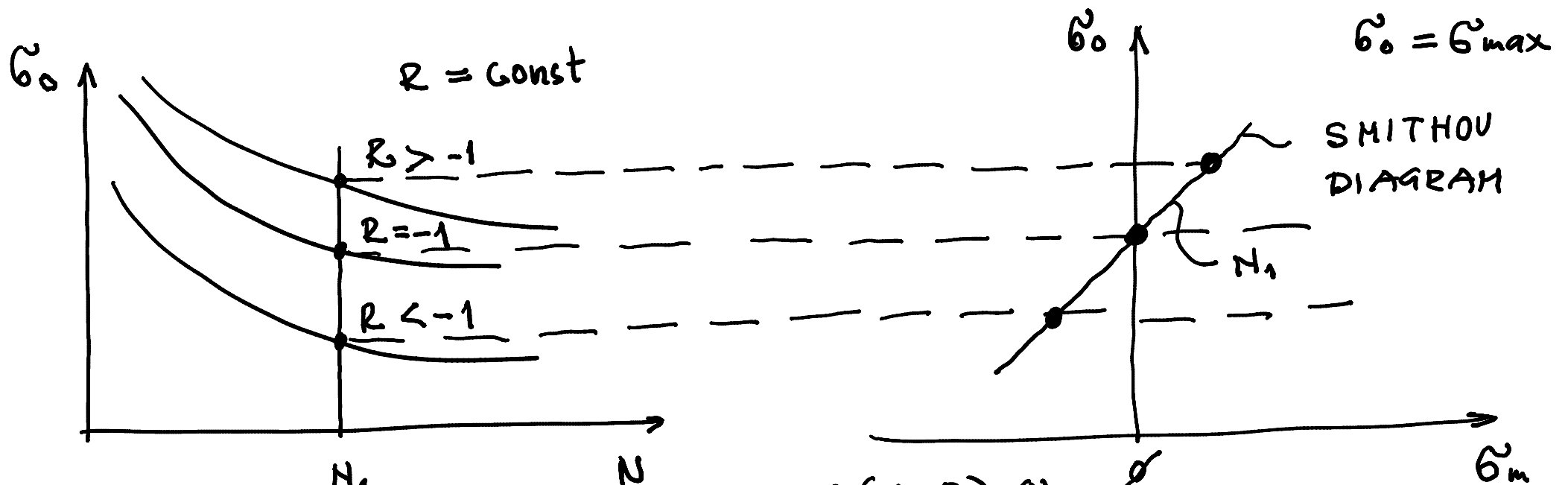


$$\sigma_a = \frac{1-R}{1+R} \sigma_m$$

$$R = \emptyset \rightarrow \sigma_m = \sigma_a \cdot \frac{1+\emptyset}{1-\emptyset} = \sigma_a$$

$$R = -2 \rightarrow \sigma_m = \sigma_a \cdot \frac{-1}{3} = -\frac{1}{3} \sigma_a$$

$$R = -1 \rightarrow \sigma_m = \frac{\emptyset}{2} = \emptyset$$



$$R = \frac{\sigma_{min}}{\sigma_{max}} = \frac{\sigma_{max} - 2\sigma_a}{\sigma_{max}} = 1 - \frac{2(1-R)\sigma_m}{(1+R)\sigma_{max}}$$

$$\sigma_{min} = \sigma_{max} - 2\sigma_a$$

$$\sigma_a = \frac{1-R}{1+R} \sigma_m$$

$$R = 0 \rightarrow \sigma_m = \frac{1}{2} \sigma_{max}$$

$$\frac{2(1-R)\sigma_m}{(1+R)\sigma_{max}} = (1-R)$$

$$\sigma_m = \frac{1+R}{2} \sigma_{max}$$

$$R = -1 \rightarrow \sigma_m = -\frac{1}{2} \sigma_{max}$$

POŠKODBENI PARAMETER

$$F(\sigma_a, \sigma_m, N, \dots) = \phi$$

$$P(\sigma_a, \sigma_m, \dots) - f(N, \dots) = \phi$$

ČE NAM USPE POSLEDŠENO FUNKCIJO ČASOVNE TRDNOSTI RAZDELITI V POŠKODBENI PARAMETER $P(\sigma_a, \sigma_m, \dots)$ IN KRIVULJO TRŽLJIVOSTI $f(N, \dots)$ ZADOŠČA ZA UPOŠTEVANJE $\sigma_m, \epsilon_m, \epsilon_a$ IN $\sigma_a \in NA$ SAHA HANSON COFFIN HORROU KRIVULJA ZA $R = -1$.

IZVAŽE SE, DA IMAJO VPLIV σ_a, σ_m IN ϵ_a . ϵ_m ZANEHARIMO!