

Nicht

$$\hat{c}_2(\tau) = C e^{\lambda \tau}$$

$$\hat{c}_2(0) = 77 \text{ und } \hat{c}_2(10) = 9$$

$$\hat{c}_2(0) = 77$$

$$C = 77$$

$$\hat{c}_2(\tau) = 77 e^{\lambda \tau}$$

$$\hat{c}_2(10) = 9$$

$$77 e^{10\lambda} = 9$$

$$e^{10\lambda} = \frac{9}{77}$$

$$10\lambda = \ln\left(\frac{9}{77}\right)$$

$$\lambda = \frac{1}{10} \ln\left(\frac{9}{77}\right)$$

$$\hat{c}_2(\tau) = 77 e^{\frac{1}{10} \ln\left(\frac{9}{77}\right) \tau}$$

