Was fol Bsp.: Lösung einer Differentialgleiling

$$\ddot{x} + 5\dot{x} + 6\dot{x} = \xi(t) \qquad \Rightarrow \ell(0) = 0$$

$$S^{2} \times l(s) + 5 \times s \times (s) + 6 \times (s) = \frac{1}{5}$$
  
 $(S^{2} + 5s + 6) \times (s) = \frac{1}{5} = 5 \times (s) = \frac{1}{5(S^{2} + 5s + 6)}$ 

$$\Rightarrow \gamma(s) = \frac{U_0}{s(n+s\tau)} = \frac{U_0}{\tau} \frac{1}{s(s+\tau)}$$