

Seminar 10

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1. Lösen Sie die Differentialgleichung $y'' + y \stackrel{!}{=} \sin(3x)$ zur Anfangsbedingung $y(0) \stackrel{!}{=} 2$ und $y'(0) \stackrel{!}{=} 5$.
2. Lösen Sie die Differentialgleichung $y'' + 9y \stackrel{!}{=} \sin(3x)$ zur Anfangsbedingung $y(0) \stackrel{!}{=} 2$ und $y'(0) \stackrel{!}{=} 5$.