Bodediagramm

$$\times e - G_1(s) = \frac{0}{0}$$
 $G_2(s) = \frac{1}{1 + 0}$
 $\times \infty$

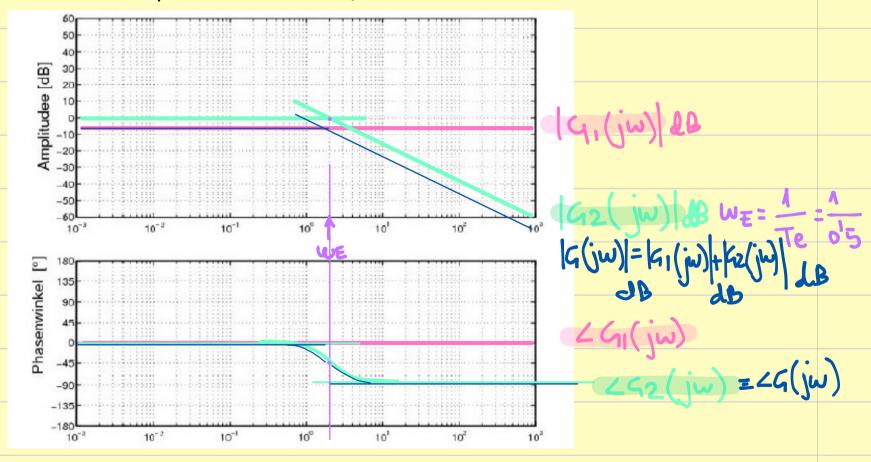
log(a.b)=loga+logb

Deshalb darfich sie addieren

$$G_{1}(j\omega)=0^{15} \rightarrow |G_{1}(j\omega)|=0^{15}; \angle G(j\omega)=0^{1}=\alpha \operatorname{rctan} \frac{1}{Re}$$
 $|G_{1}(j\omega)|_{JB}=20\log |G_{1}(j\omega)|=-6^{1}02dB$
 $|G_{2}(j\omega)|=\frac{1}{1+8^{1}5j\omega}\cdot\frac{1-0^{1}5j\omega}{1-0^{1}5j\omega}=\frac{1}{1^{2}+0^{1}5^{2}\omega^{2}}(1-0^{1}5j\omega)$

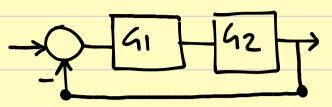
$$|92(j\omega)| = |Re^2 + |m^2| = \frac{1}{1+0^225\omega^2} \cdot |7^2 + 0^225\omega^2| = \frac{1}{1+0^225\omega^2} = \frac{1$$

$$|G_2(jw)|_{B}=20.\log|G_2(jw)|=20.\frac{1}{2}.\log(1+0.25w^2)=-10\log(1+0.25w^2)$$



2.
$$\frac{x_{e}}{1 + o'_{1}} = \frac{o'_{5}}{1 + o'_{1}} = \frac{x_{e}}{1 + o'_$$





$$G(s) = \frac{G_1G_2}{1+G_1G_2} \dots$$

