

c) faktor a real nim konjenom
$$\neq 0 \rightarrow H_3(s) = s + \sigma$$
 $s + \sigma \rightarrow \sigma \left(1 + \frac{s}{\sigma}\right)$
 $\Rightarrow \alpha_3(w) = 2\omega \log \left|1 + \frac{jw}{\sigma}\right| = \dots = 10 \log \left[1 + \left(\frac{w}{\sigma}\right)^2\right]$

brogimil: $\alpha_3(w) = -2\omega \log \left|1 + \frac{jw}{\sigma}\right| = -10 \log \left[1 + \left(\frac{w}{\sigma}\right)^2\right]$

nazionel $\alpha_3(w) = -2\omega \log \left|1 + \frac{jw}{\sigma}\right| = 10 \log \left[1 + \left(\frac{w}{\sigma}\right)^2\right]$

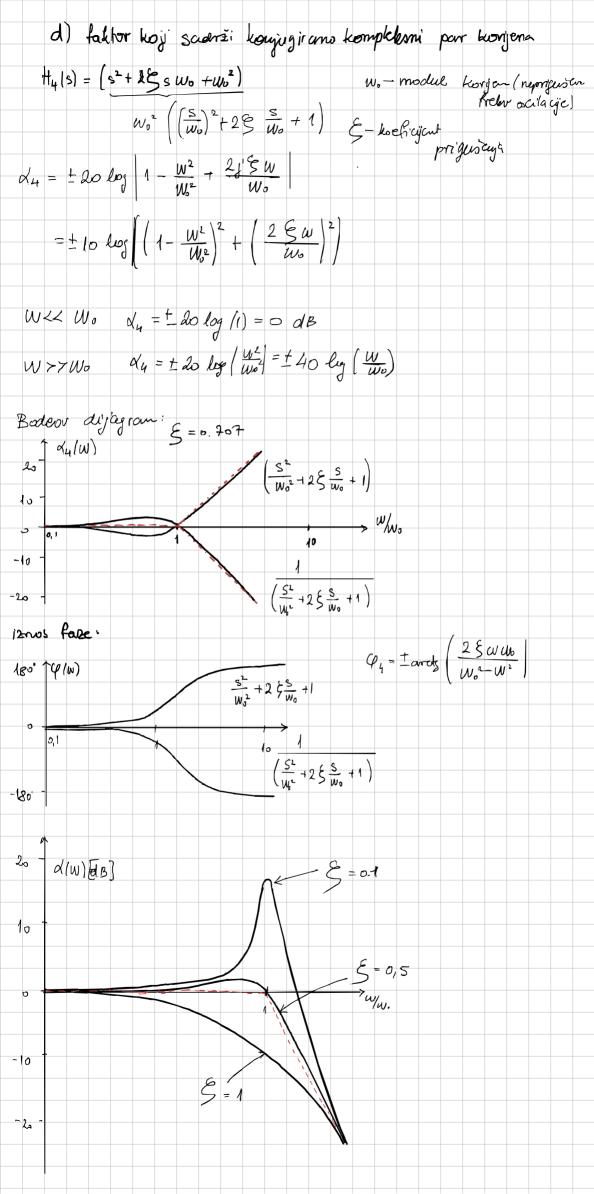
* also virgidi $w < < \sigma : \alpha_3(w) = 2\omega \log 1 = 0$

* spomenuli prava = assimptok

$$PFAZNO-FREKV$$
 $U_3=t$ arch $\left(\frac{W}{\sigma}\right)$ je li faktor u bnymiki ili noziviki

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<i>W</i> ₁=	2		to -	-		-	-		_		×	l L								
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