Impedanz-/Phasenverlauf

Membran: $t_{Si} = 20 \mu m$, $t_{ZnO} = 5 \mu m$

Abm.: 9,2 x 9,2 mm²

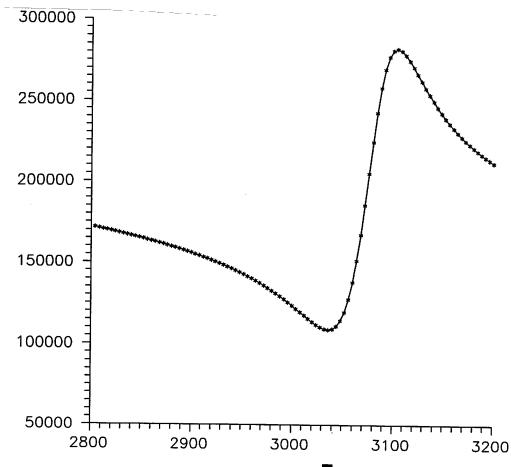
U = 1 V, Q = 100

FE-Modell 1: $f_s \approx 3036 \text{ Hz}$, $Z(f_s) = 109 \text{ kOhm}$

 $f_p \approx 3104 \text{ Hz}, \quad Z(f_p) = 282 \text{ kOhm}$

 \Rightarrow k_{eff} = 0,21 A_m = 11 μ m

Impedanz Z [Ohm]



Frequenz f [Hz]

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