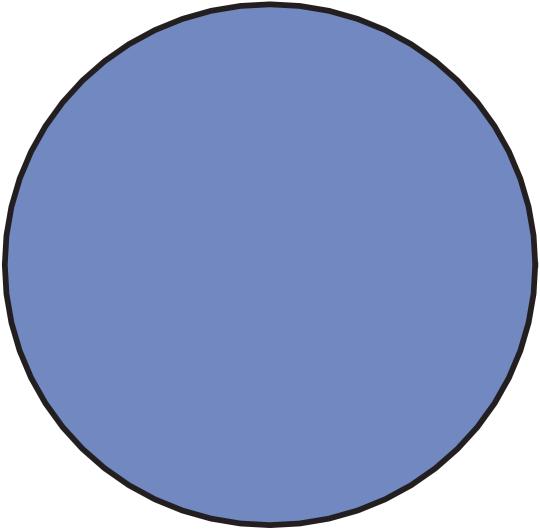
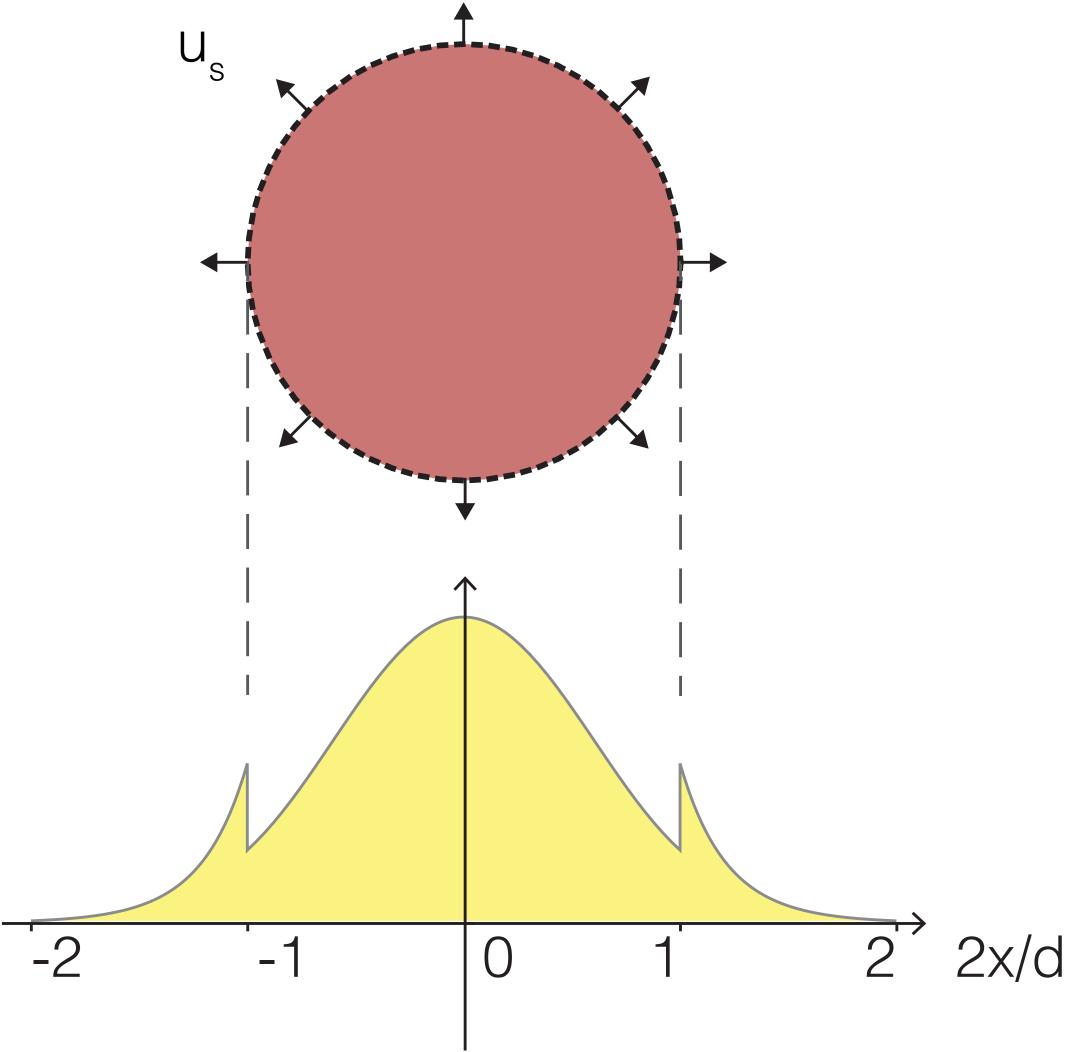


Photo-elastic (pe) vs. moving boundary (mb)

Wombat 2022, Erlangen, June 14th 2022. Gustavo Wiederhecker.

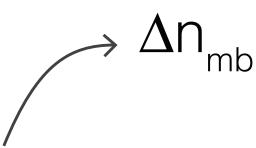


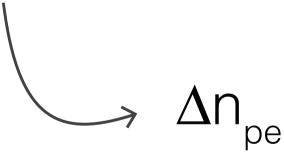






O. Florez et al. "Brillouin scattering self-cancellation," Nat Comms, vol. 7, p. 11759, (2016).





 $(2r/d)u_s$

 U_{α}/A

 $\Delta \epsilon_{\rm pe} = 2n\Delta n_{\rm pe} = -n^4 p_{11} S_r$

 $-n^3p_{11}$ -,

 $\Rightarrow \Delta n_{\rm ne} =$



 $\pi u_{s}a$

 $-\pi d^2/\Delta$





$\Delta n_{\rm pe} A_{\rm pe}$ $\Delta n_{\rm mb} A_{\rm mb}$

