

Light-sound interaction

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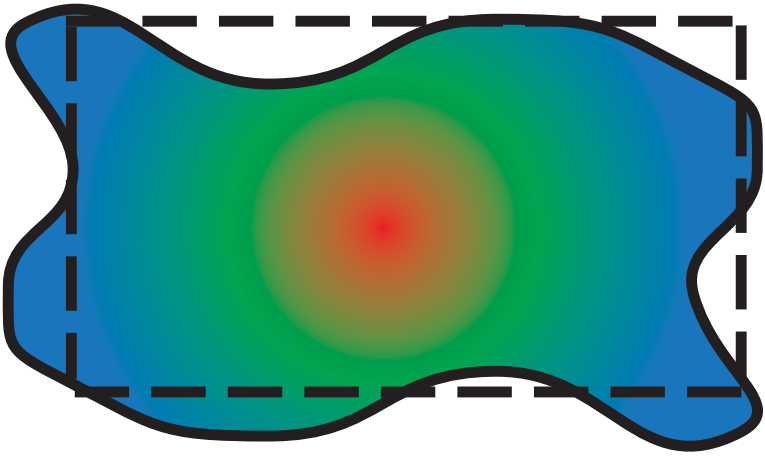
Wombat 2022, Erlangen, June 14th 2022. Gustav Wiederhake.



ϵ_2



ϵ_1





waveguide

Dielectric

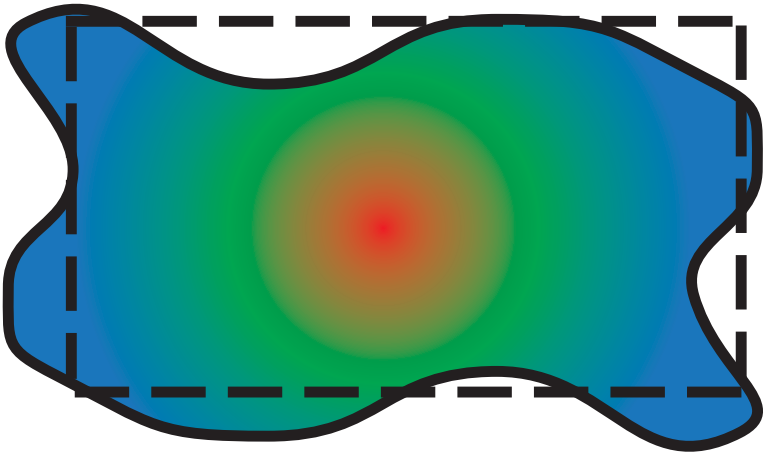
☆ photelastic effect

☆ boundary distortion

refractive index

modulation







☆ body forces

☆ boundary pressure

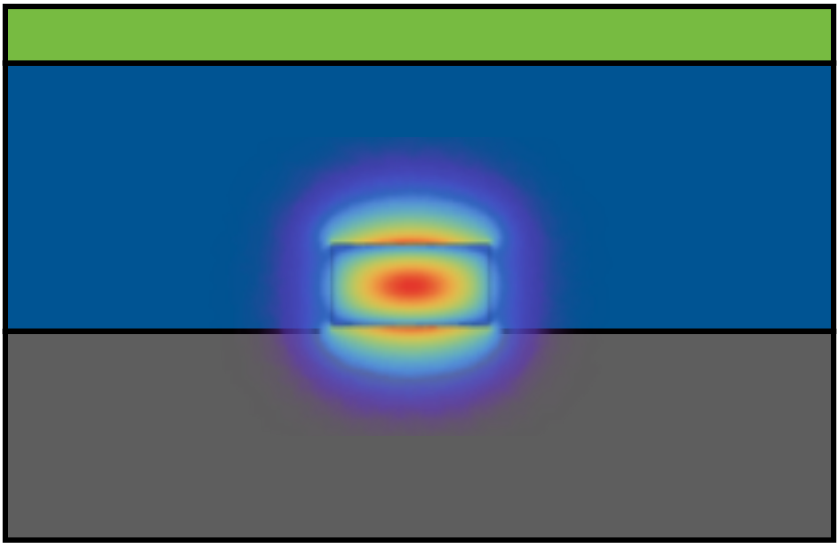
structure

definitions

menarchai







gradient

Optical intensity













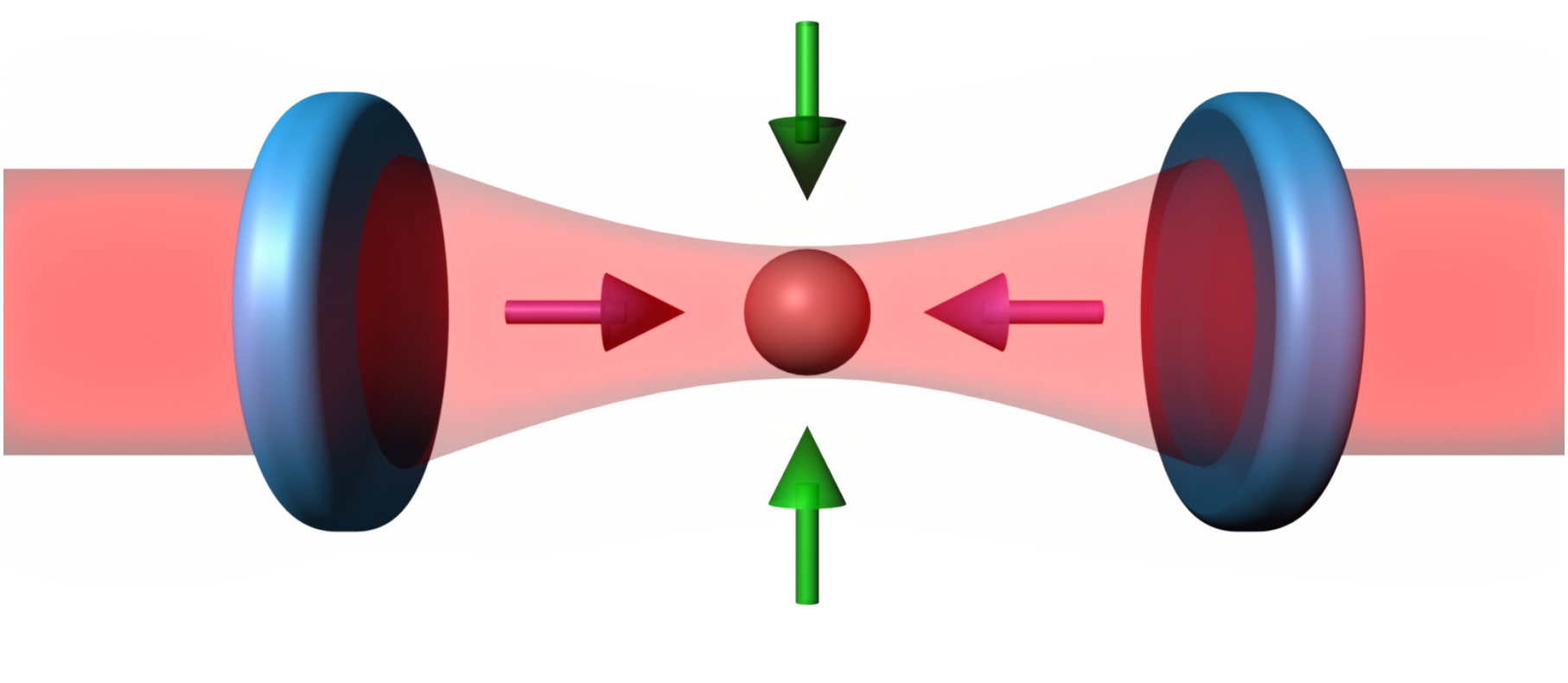


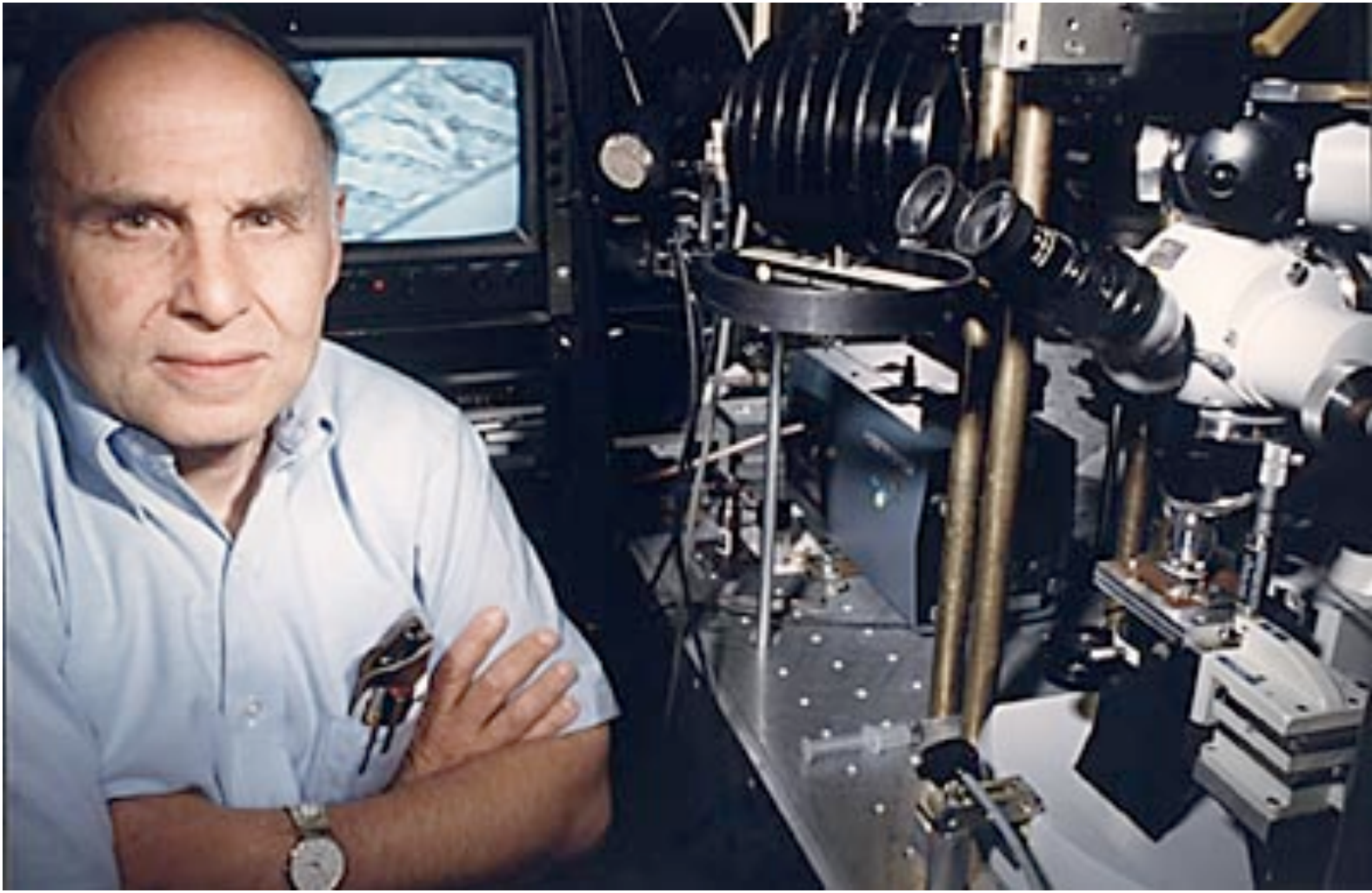
Vibrations

parental rights

Lightparenturb

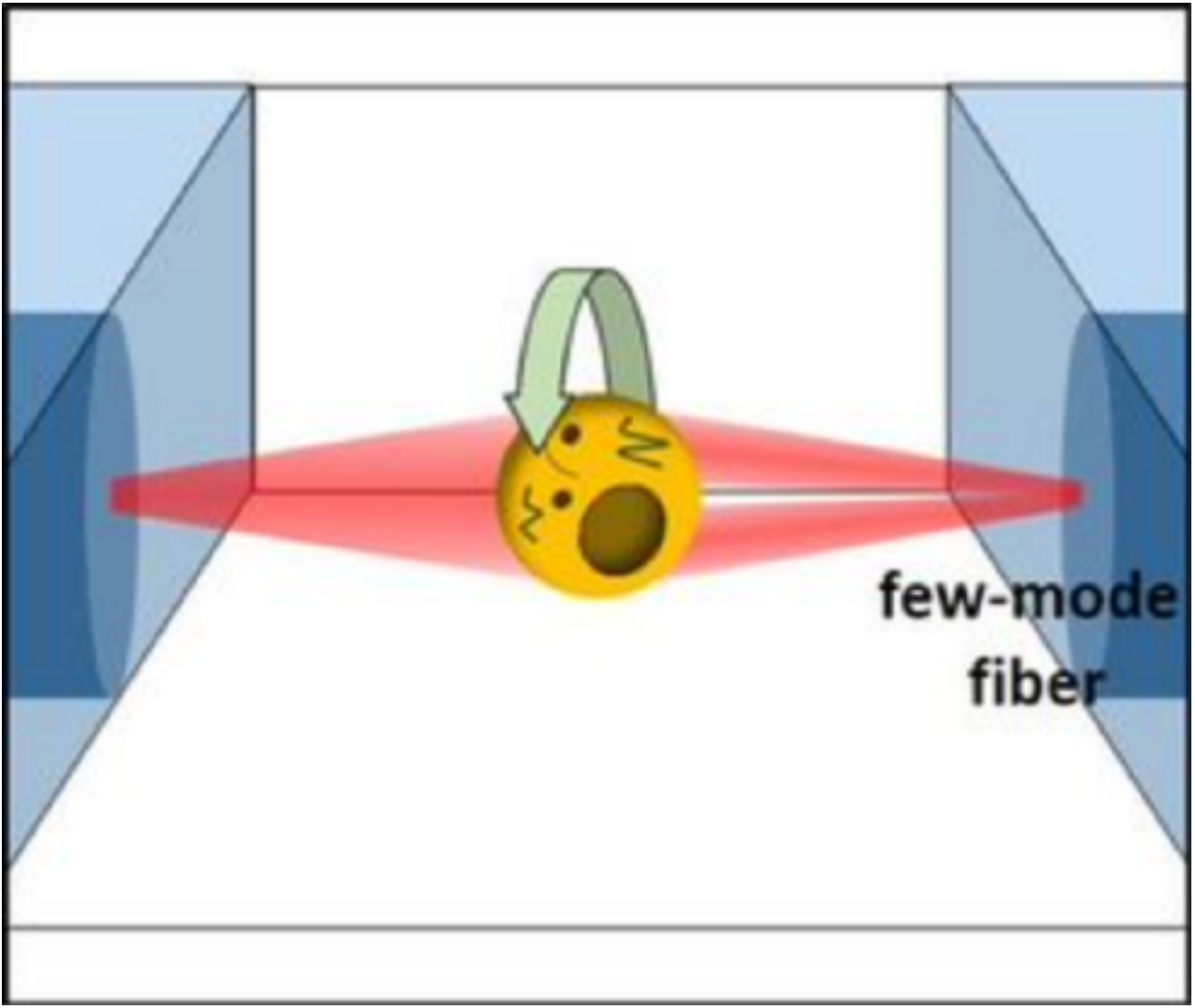
vibrations







Obuk, R. Anishan, T. Moir, C. C. Gunningham, and K. P. 'Optical deformability of soft biological dielectrics' Physical Review Letters, Vol. 84, Iss. 23, p. 5451-5454, 2000



**few-mode
fiber**

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