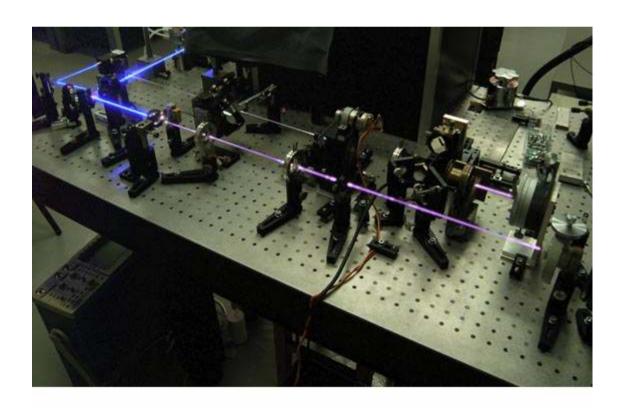
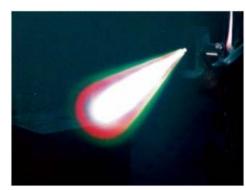
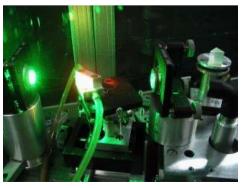
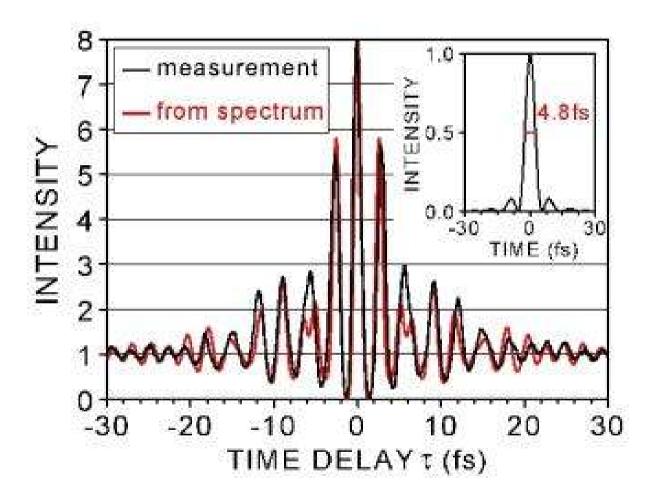


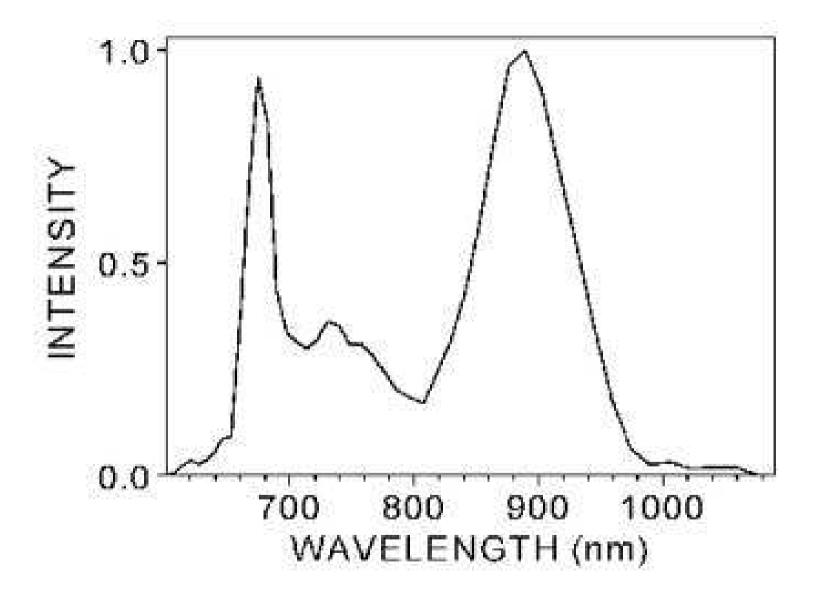
## Dr Piotr Wasylczyk Nieliniowo, adaptacyjnie i femtosekundowo, czyli ekstremalnie w optyce.

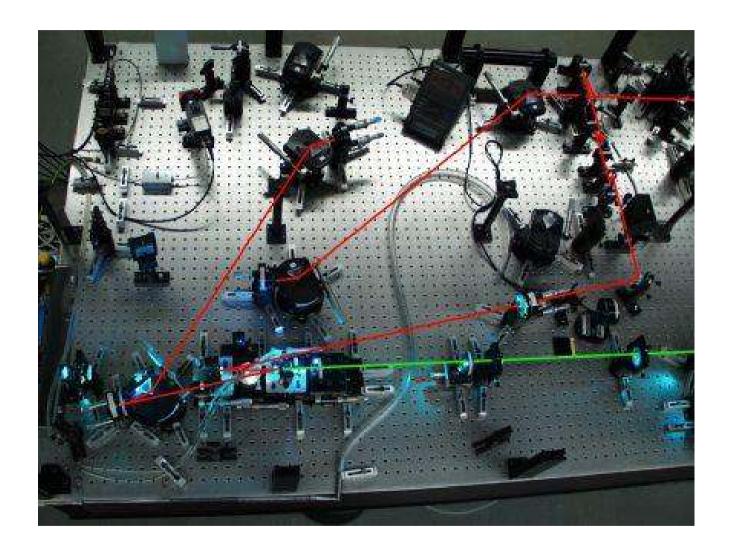




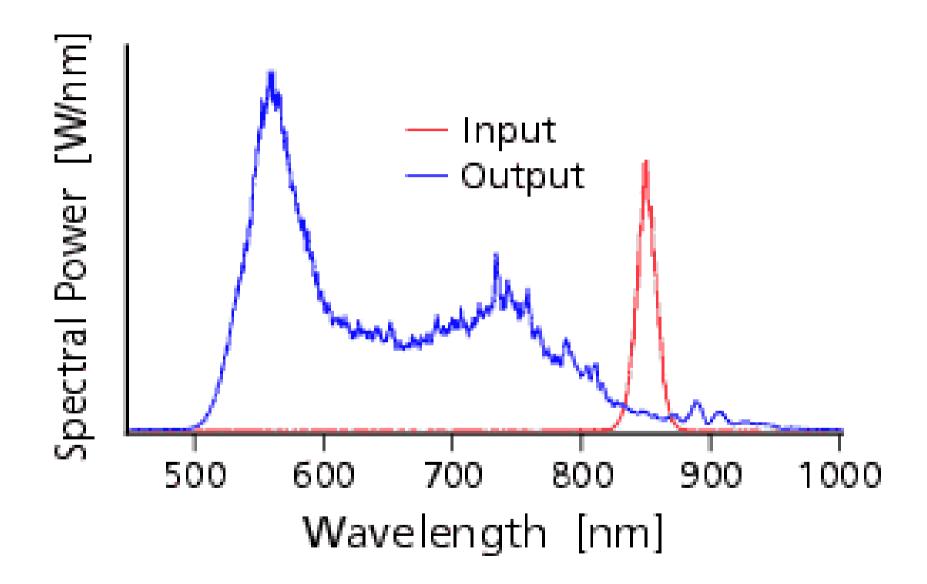


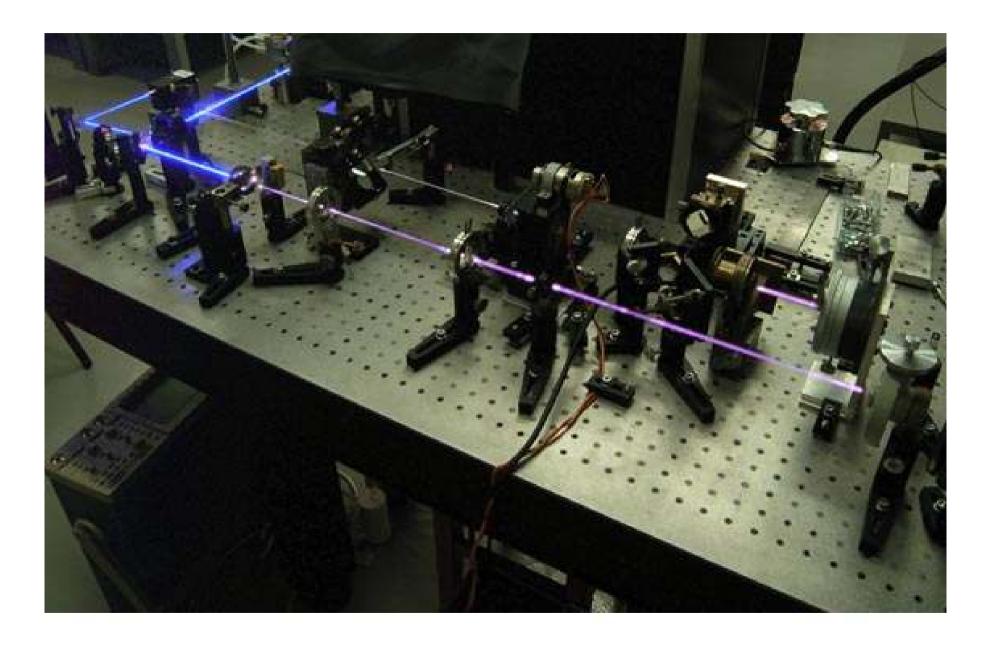


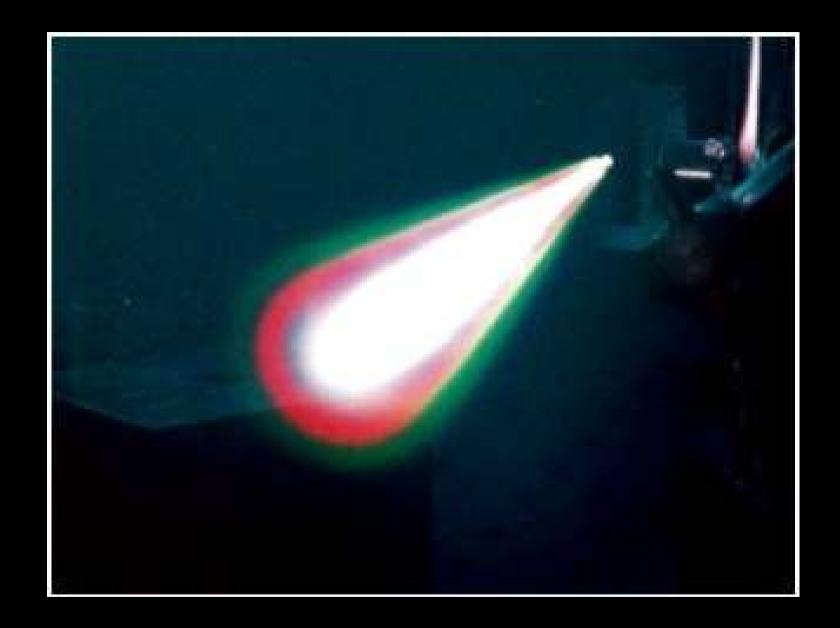




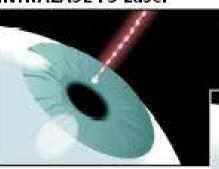




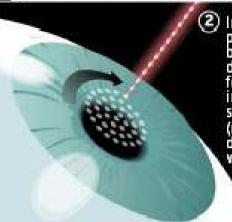




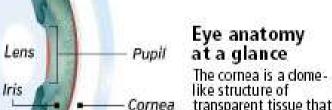
## INTRALASE FS Laser



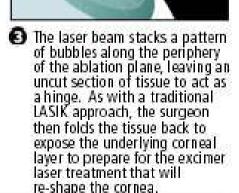
IntraLASIK software directs the INTRALASE FS Laser to optically focus its beam into a tiny, 3 micron spot of energy that passes harmlessly through the outer layers of the cornea until reaching its exact focal point within the stroma (central layer of the cornea).



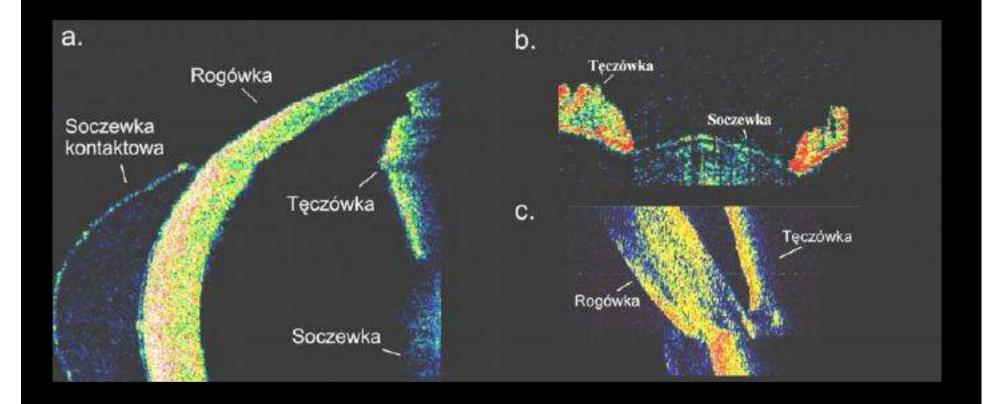
In an "inside out"
process, the laser
beam creates a
dissection plane by
forming an
interconnecting
series of bubbles
(made of carbon
dioxide and
water vapor).

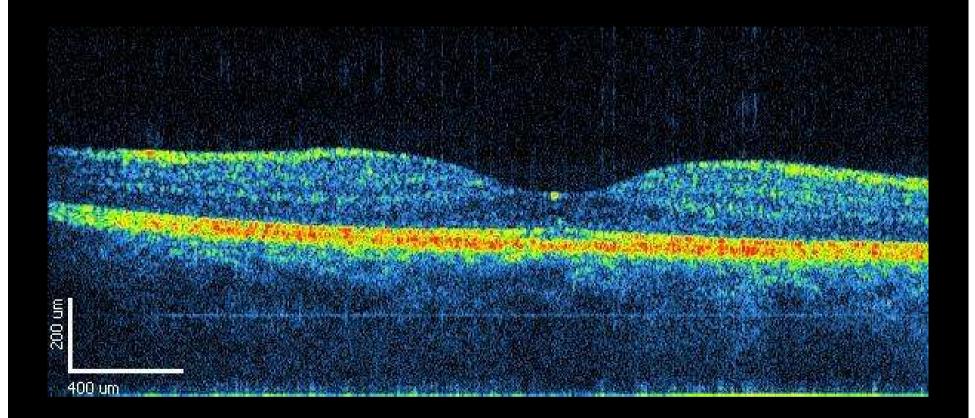


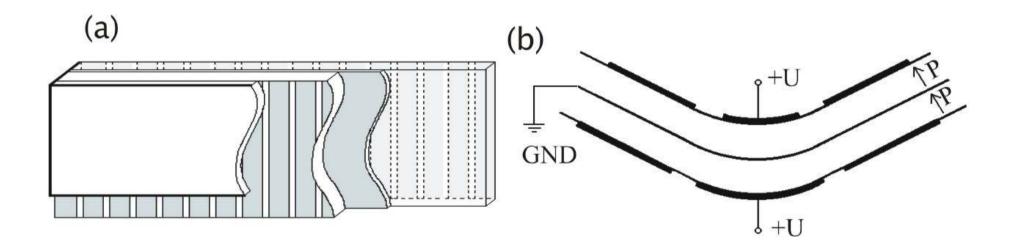
The cornea is a domelike structure of transparent tissue that extends over the lens, pupil and iris. The cornea's curvature affects the way incoming light rays are bent so that they focus optimally onto the retina for maximum visual acuity.

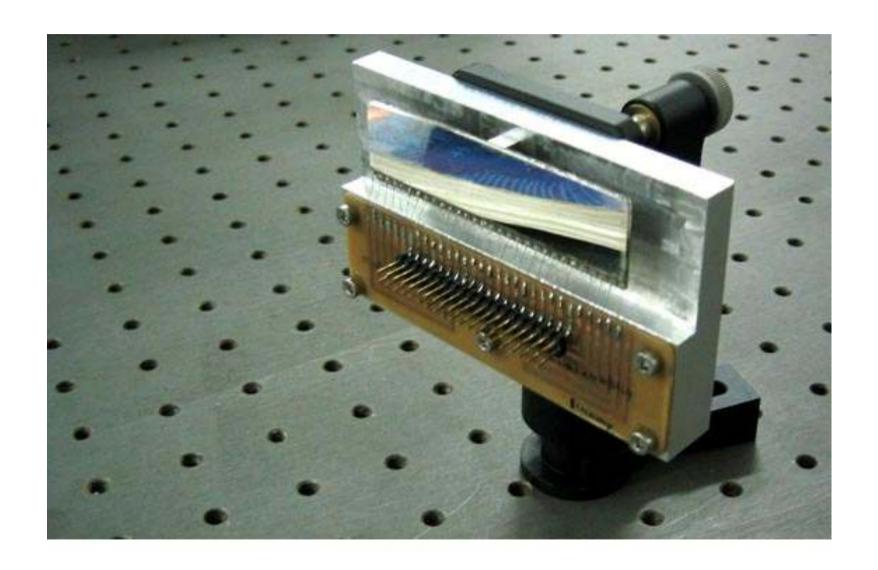












 The rule of classical thick mirrors to remain rigid under gravity: thickness = diameter / 6

 For an 8m telescope: 130 cm!; the safe cooling of such a mass of glass is not possible

in a decent time

Solutions :

 cut into pieces the primary : Keck telescope

 Build a thin mirror and control it with active supports : VLT

