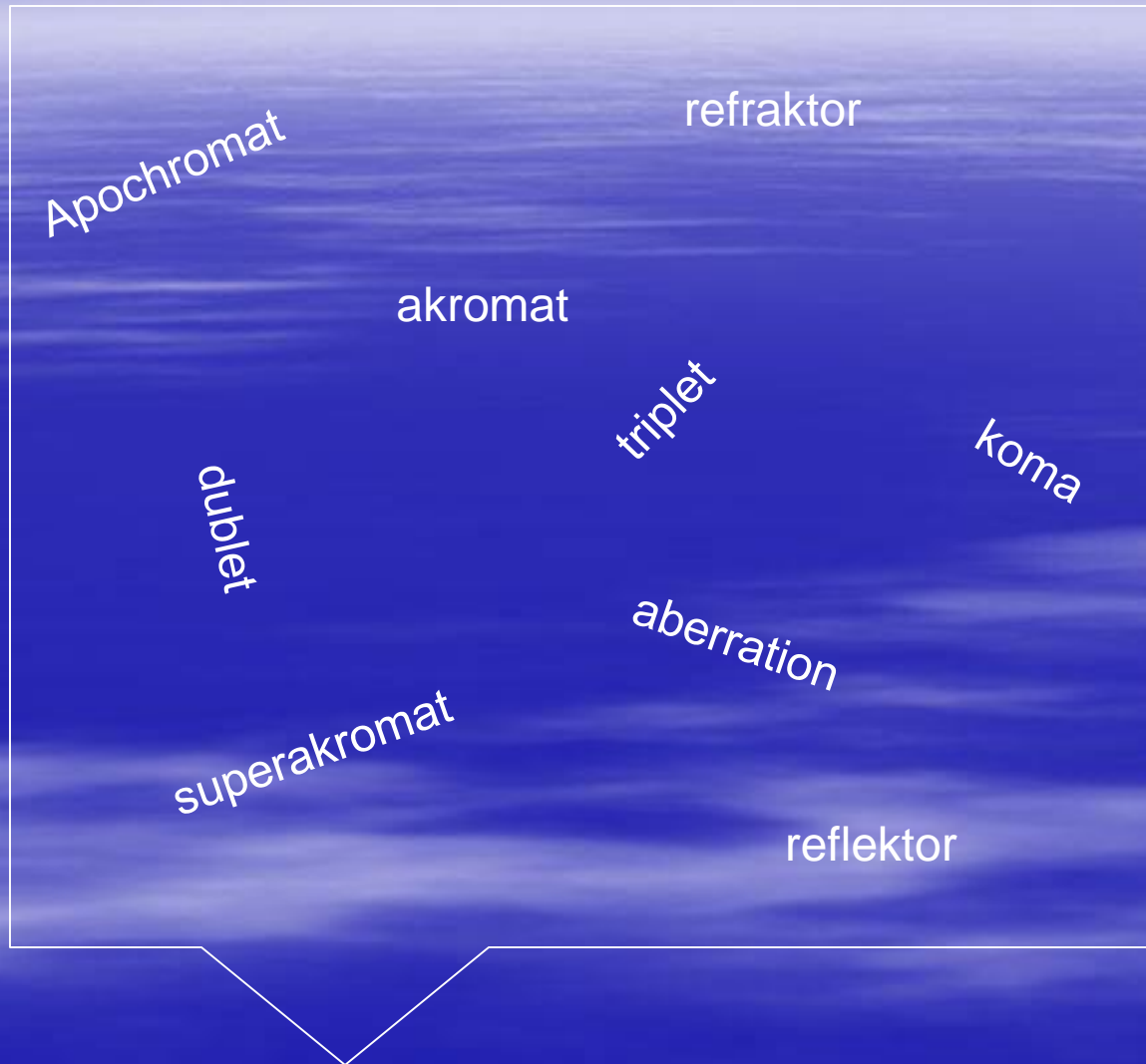


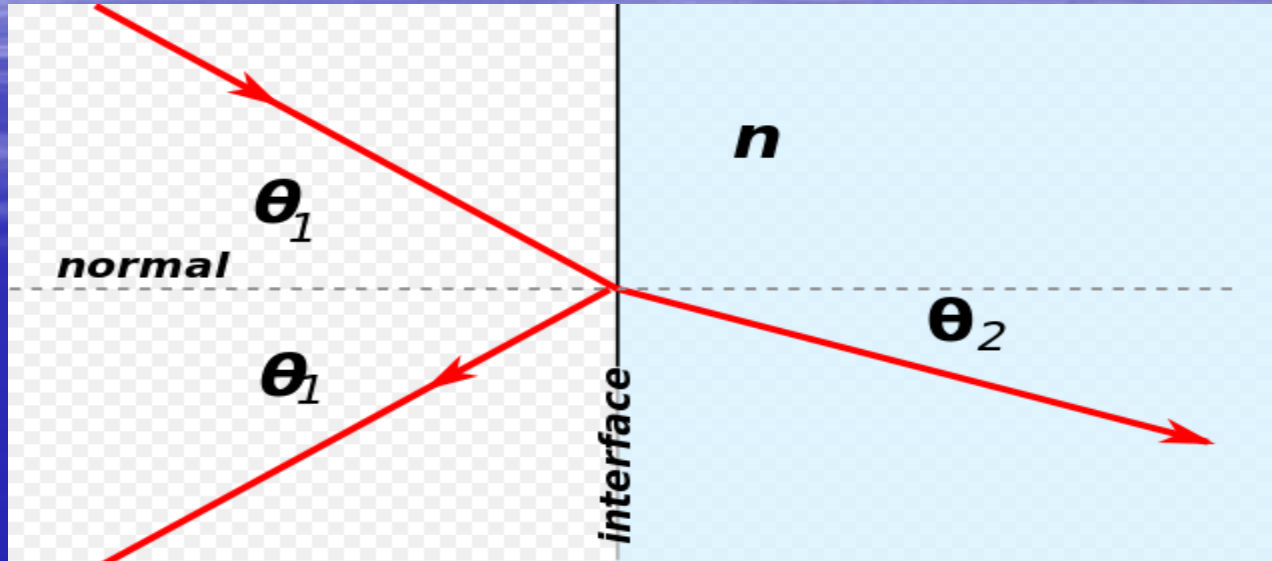
# Optiske begreber

1. Februar 2015

Bent Larsen



# Refleksion vs. Refraktion



Refleksion (spejl): *indfaldsvinkel = udfaldsvinkel*

Refraktion (linse): *indfaldsvinkel  $\neq$  udfaldsvinkel*

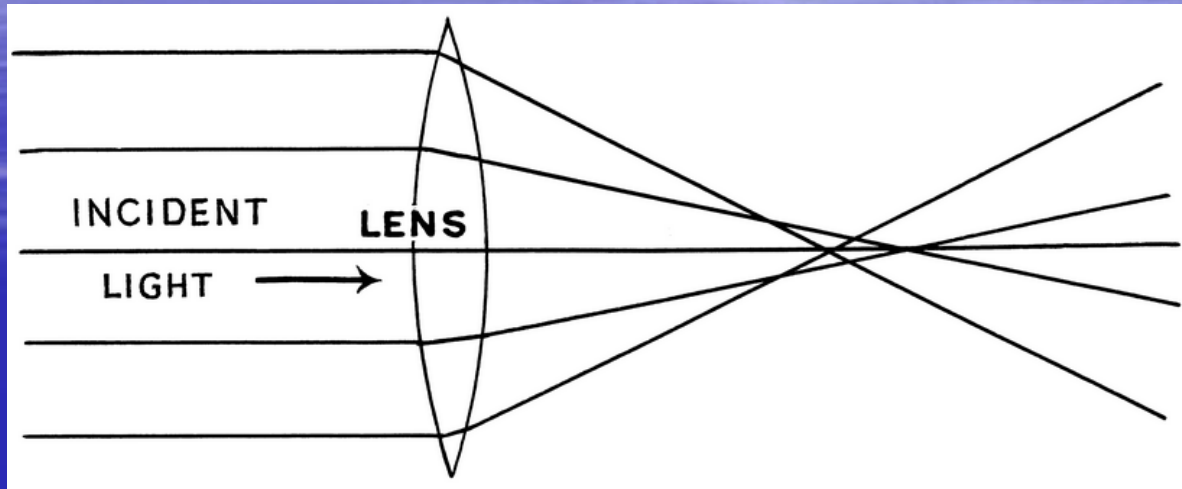
$$\text{brydningsindex} = \frac{\sin \theta_1}{\sin \theta_2}$$

Brydningsindex for vand = 1,33

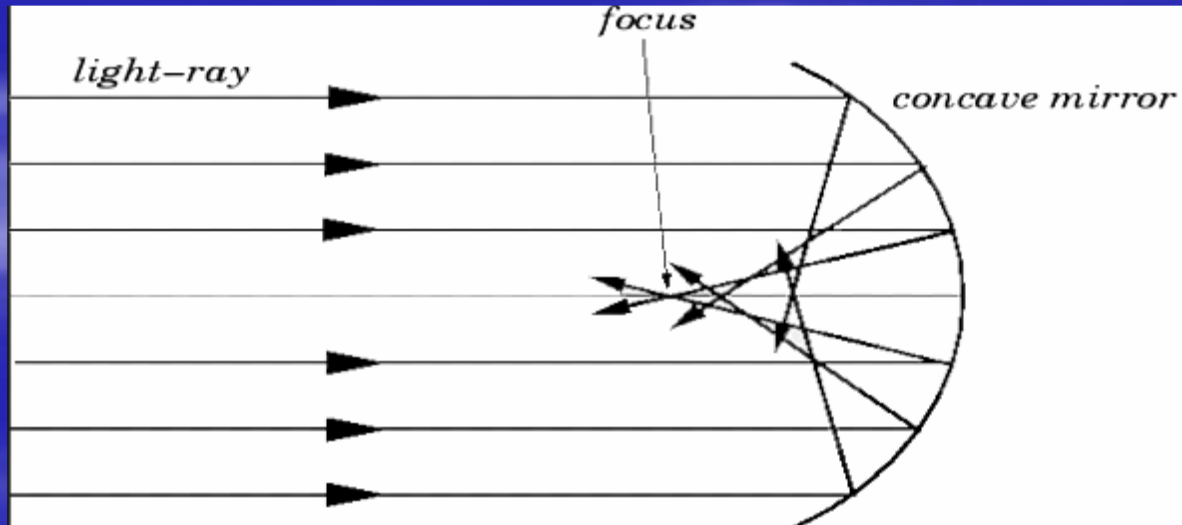
Brydningsindex for glas = 1,51

# Sfærisk aberration

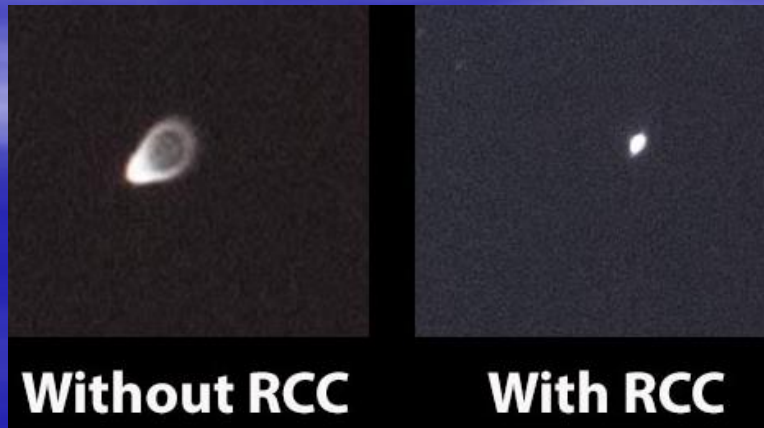
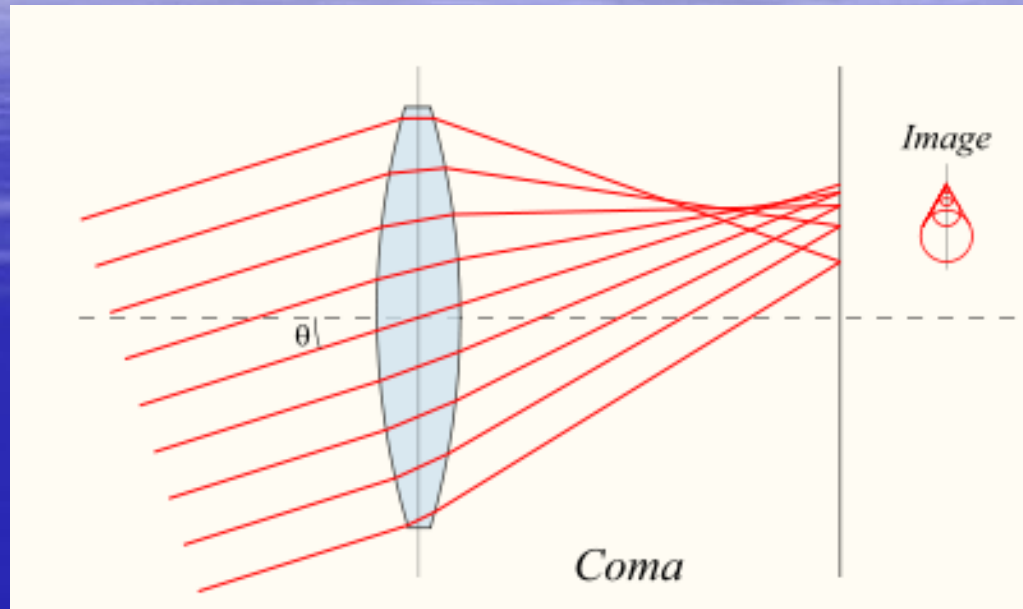
Refraktion



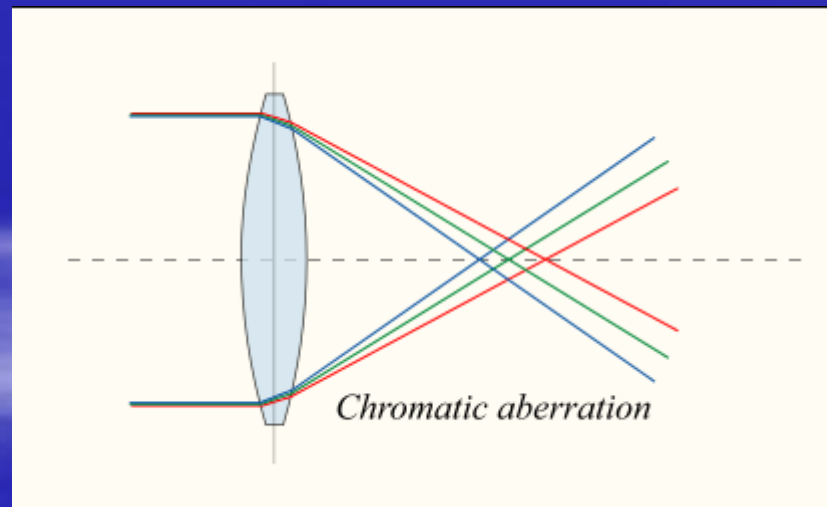
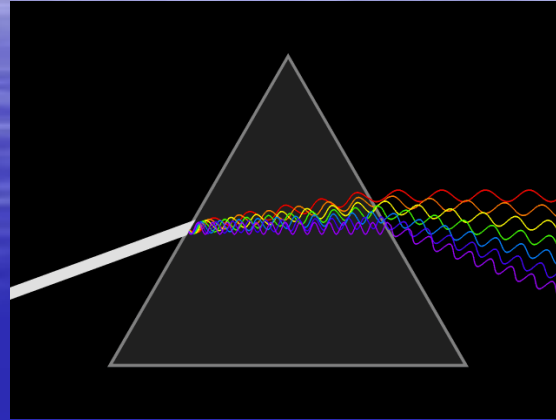
Refelktion



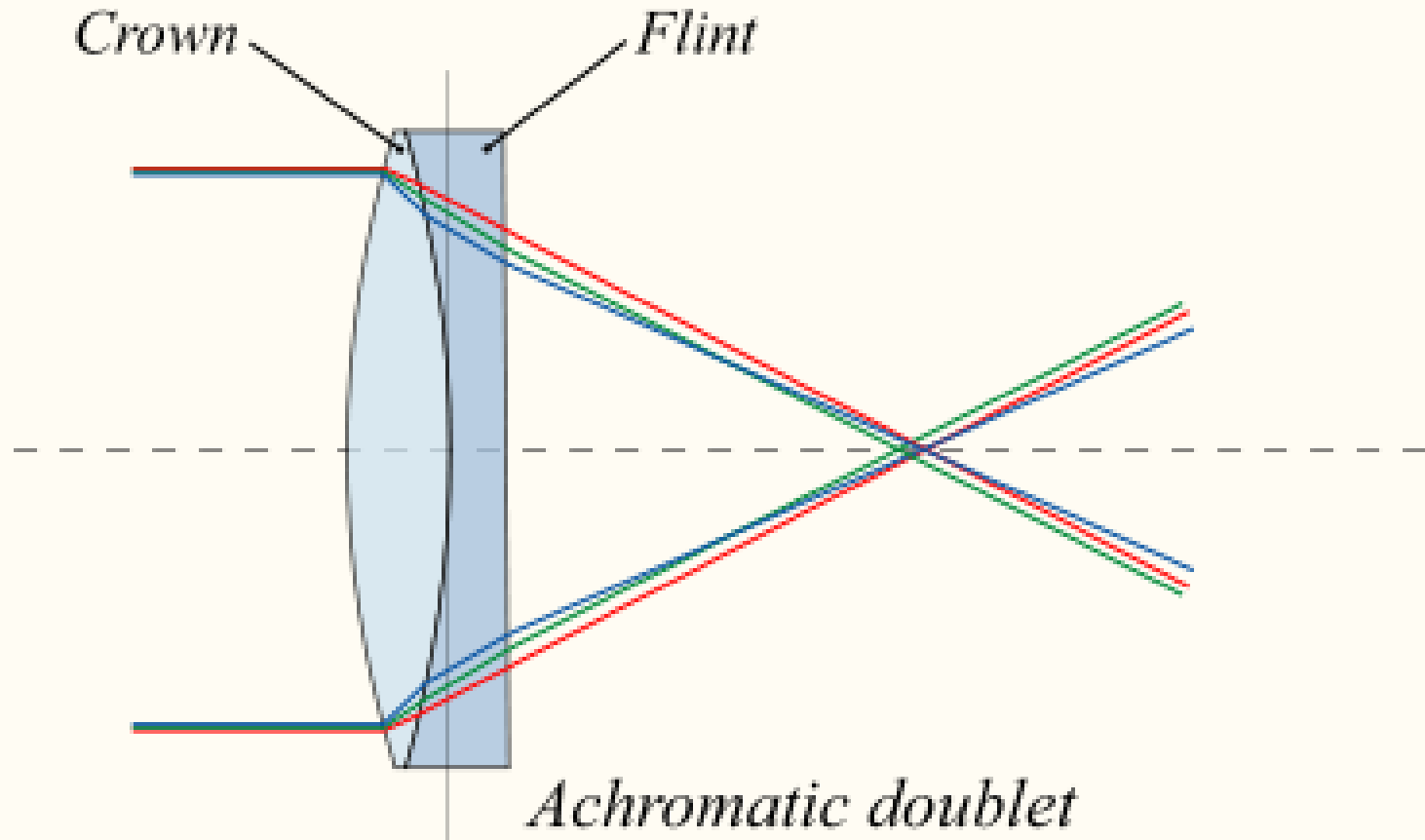
# Koma



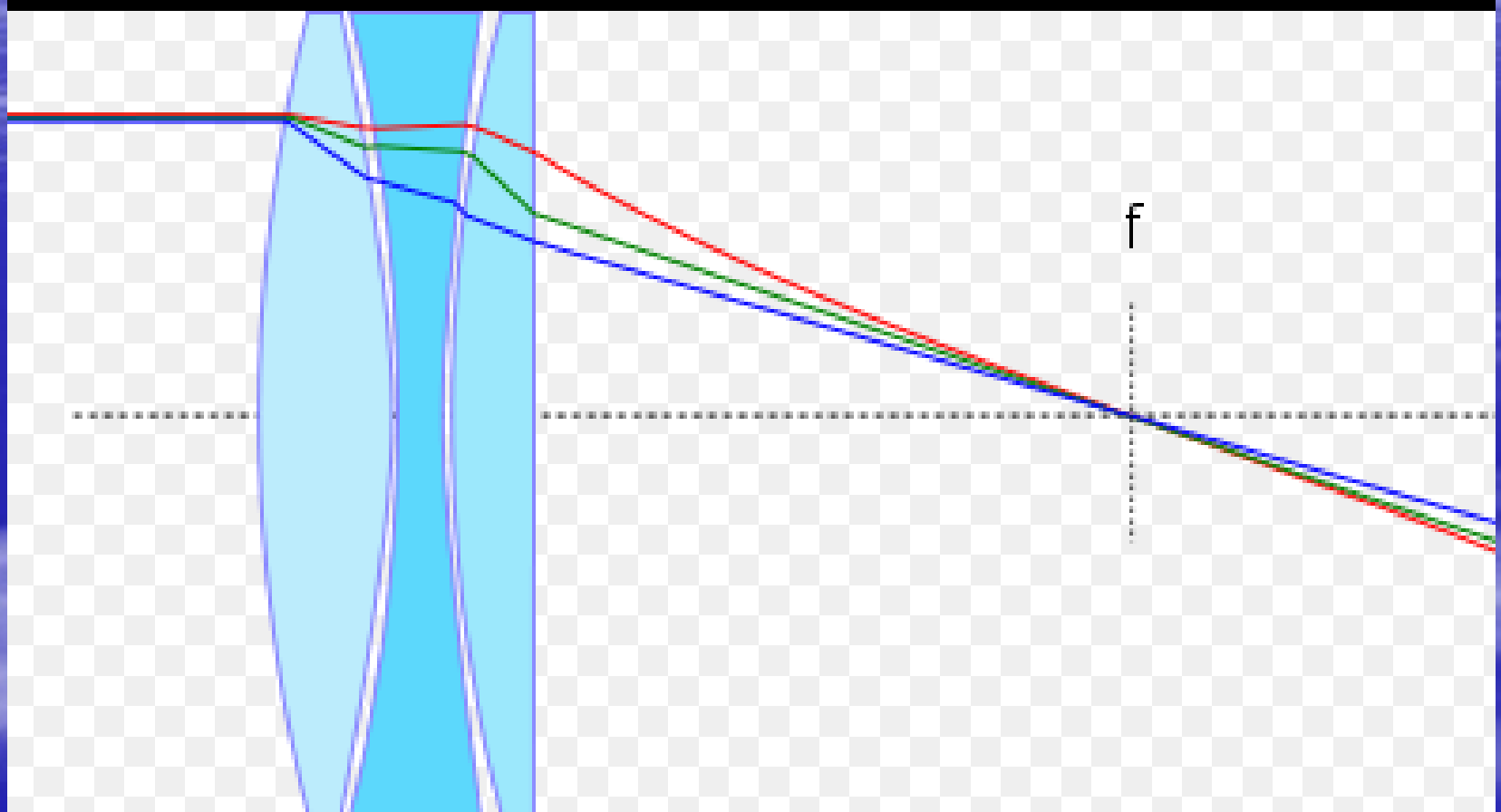
# Chromatisk aberration



# Doublet = achromat

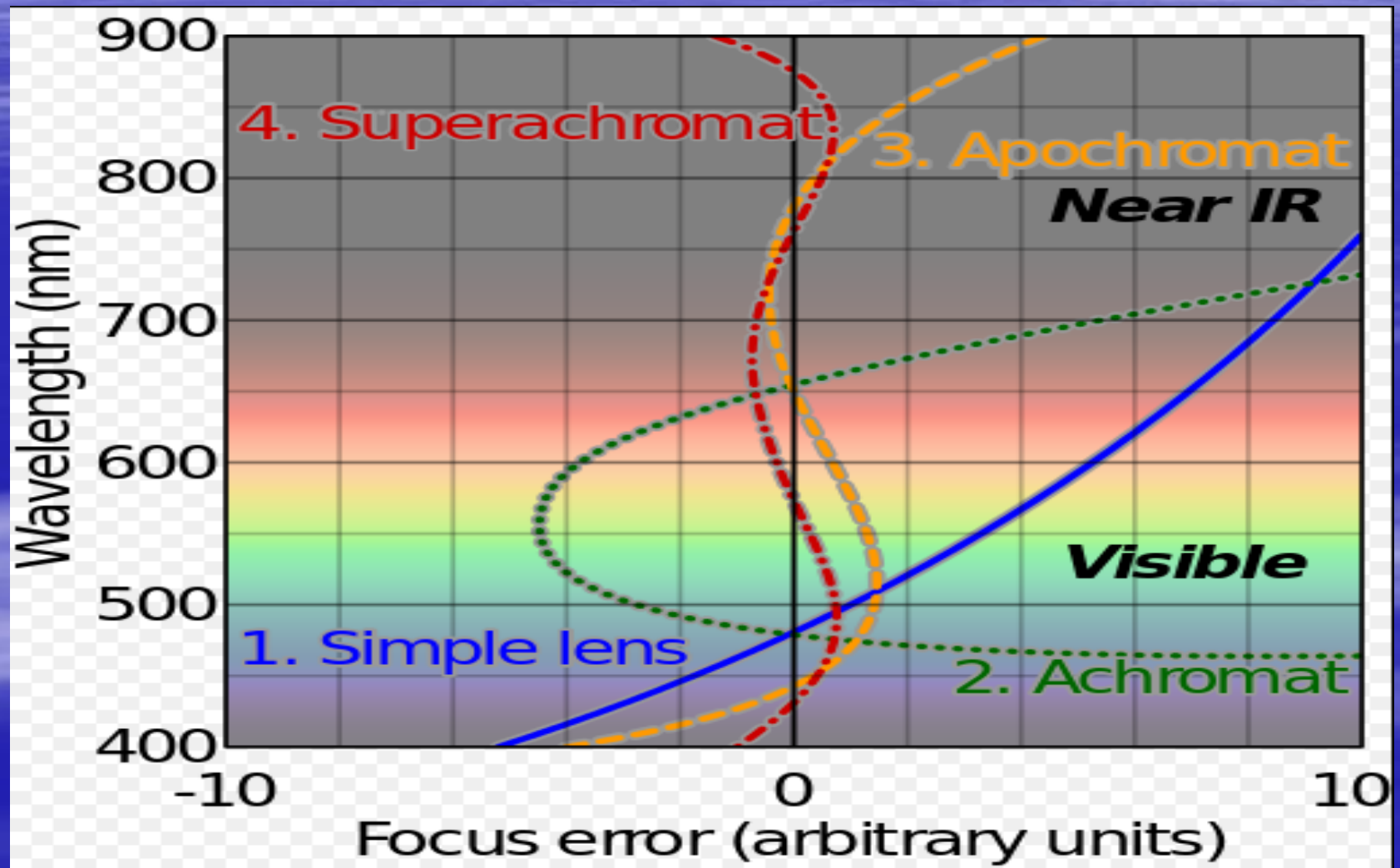


# Triplet = apochromat

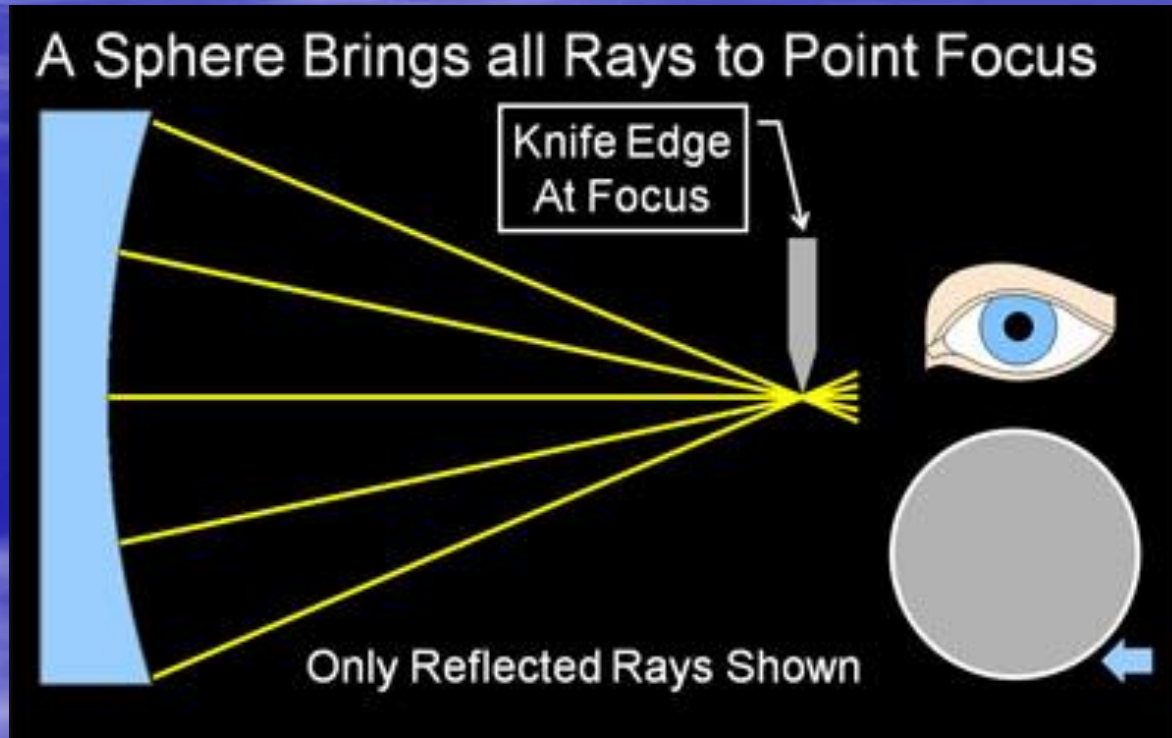




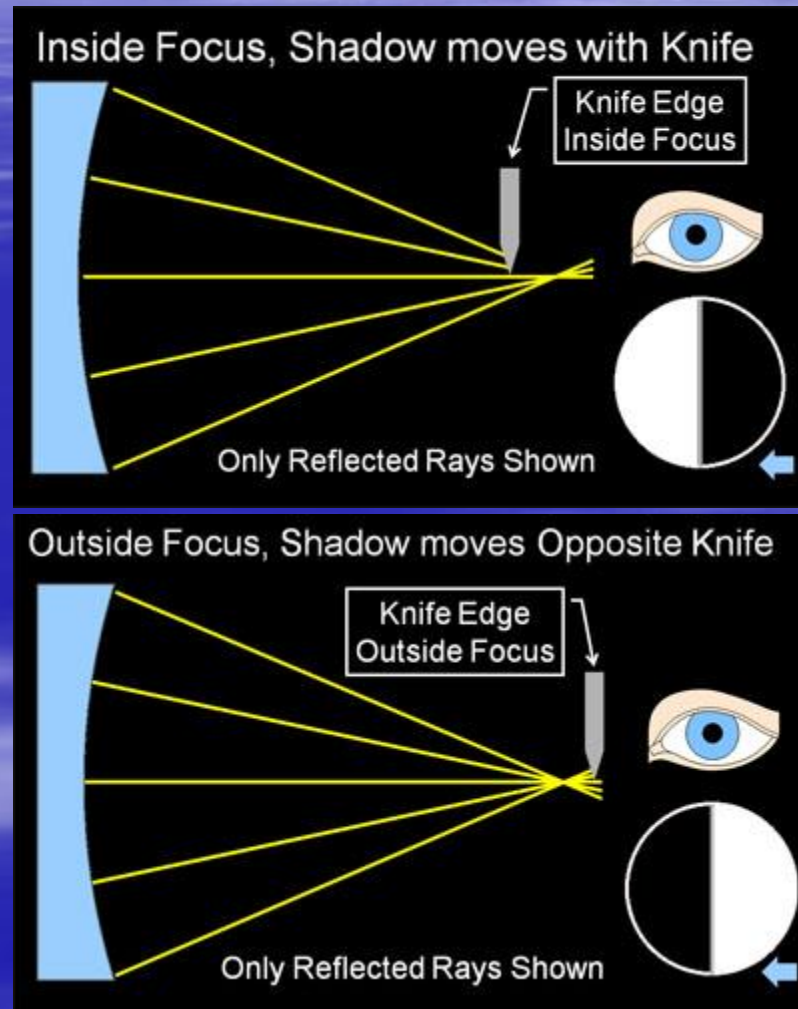
# Sammenligning



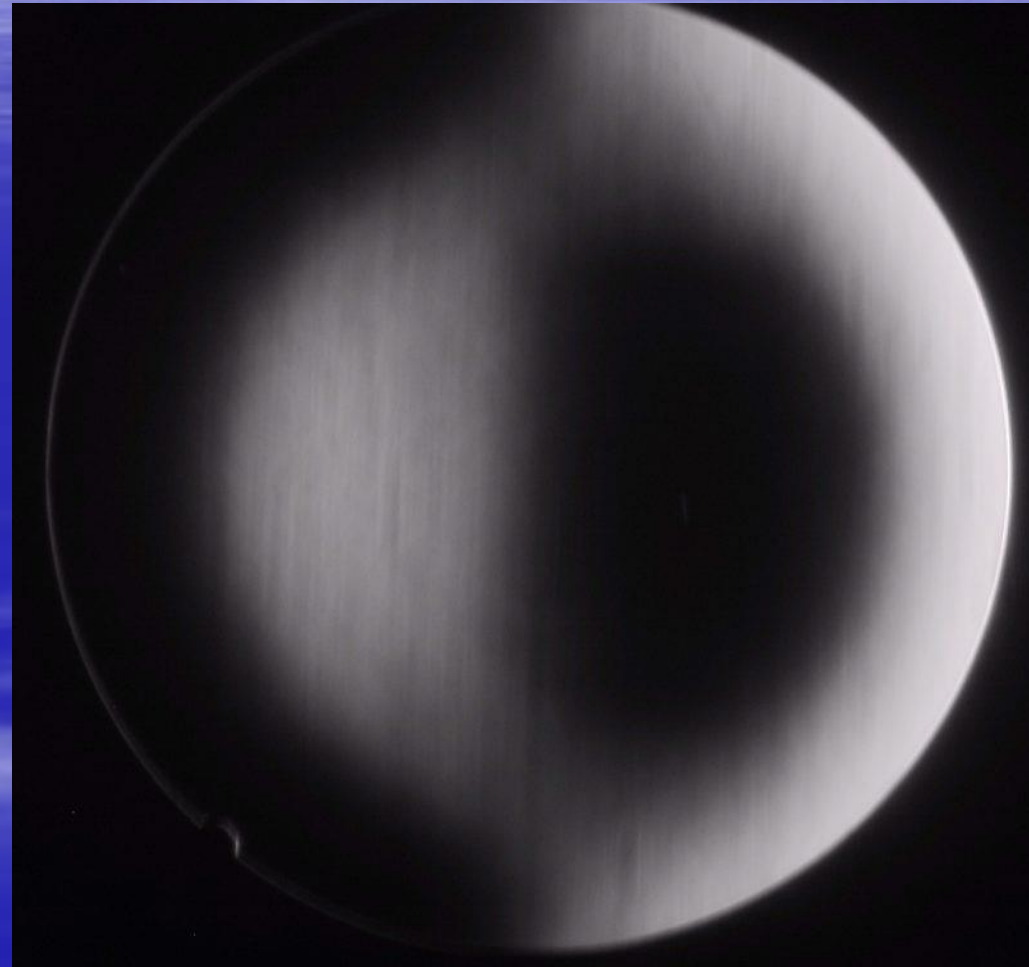
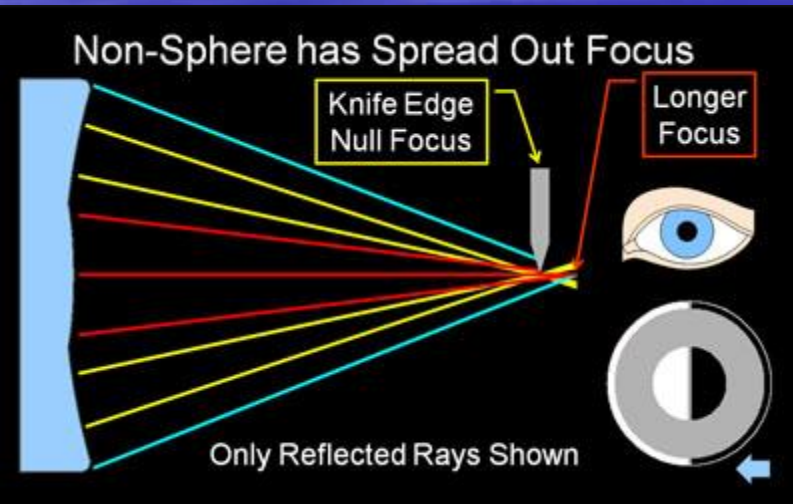
# Foucault knivetest 1



# Foucault knivetest 2



# Foucault knivetest 3



# Couder mask

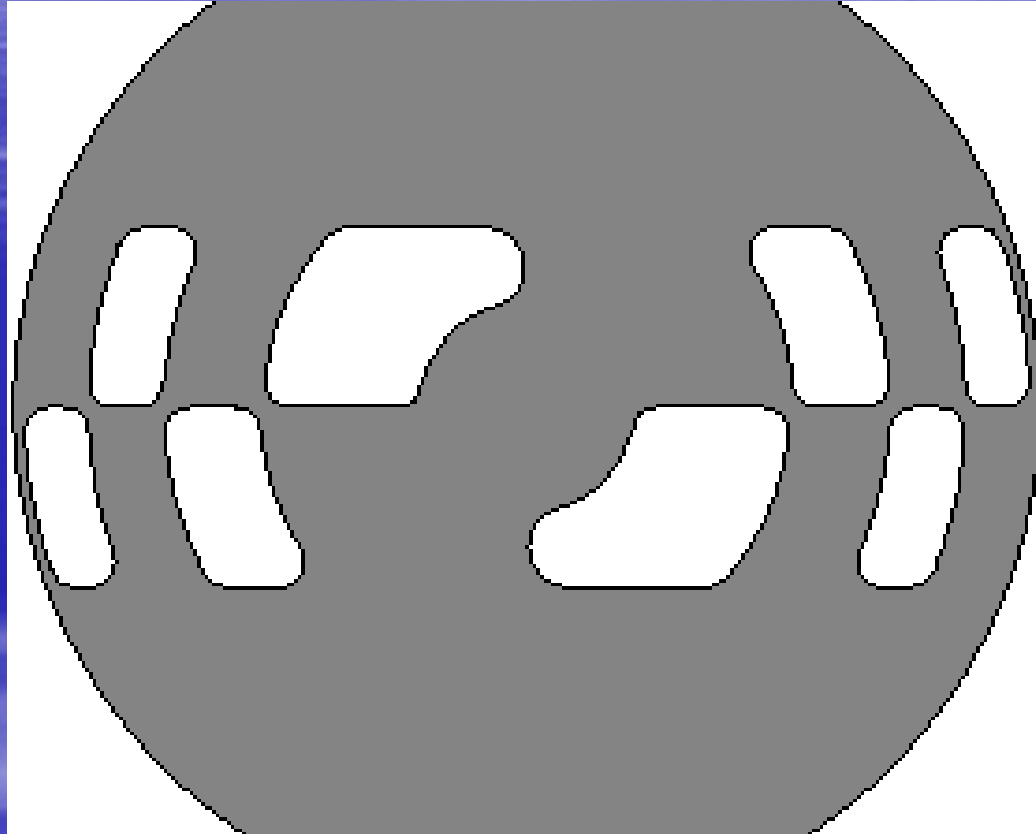


Figure XP