

Optik

Sehen & Fühlen

Kundennutzen

Fühlen Wahrnehmen

Erlebnis

Bedienung Beobachten

Kundennutzen

Gewicht

Baulänge

Bedienung

Ergonomie

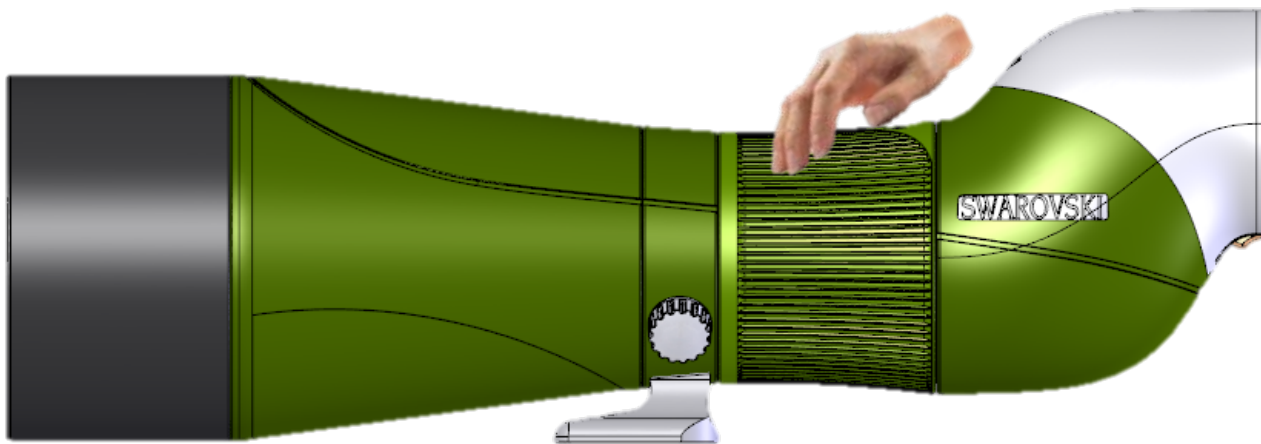
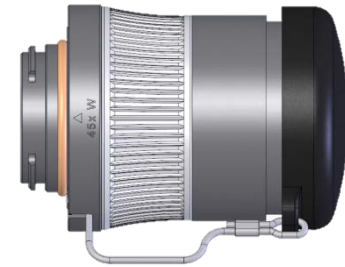
Abbildung

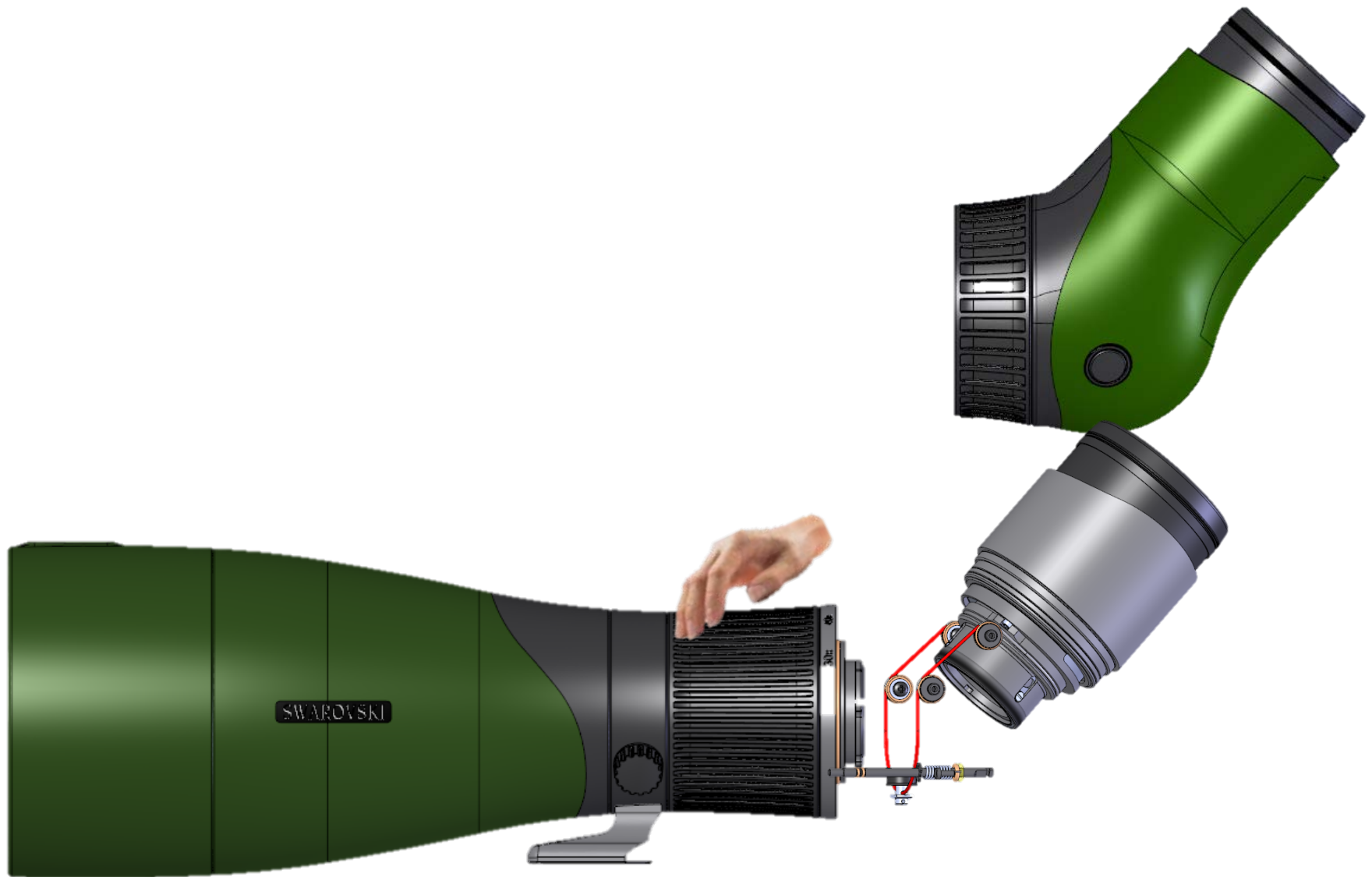
Sehkomfort

Haupttherausforderungen

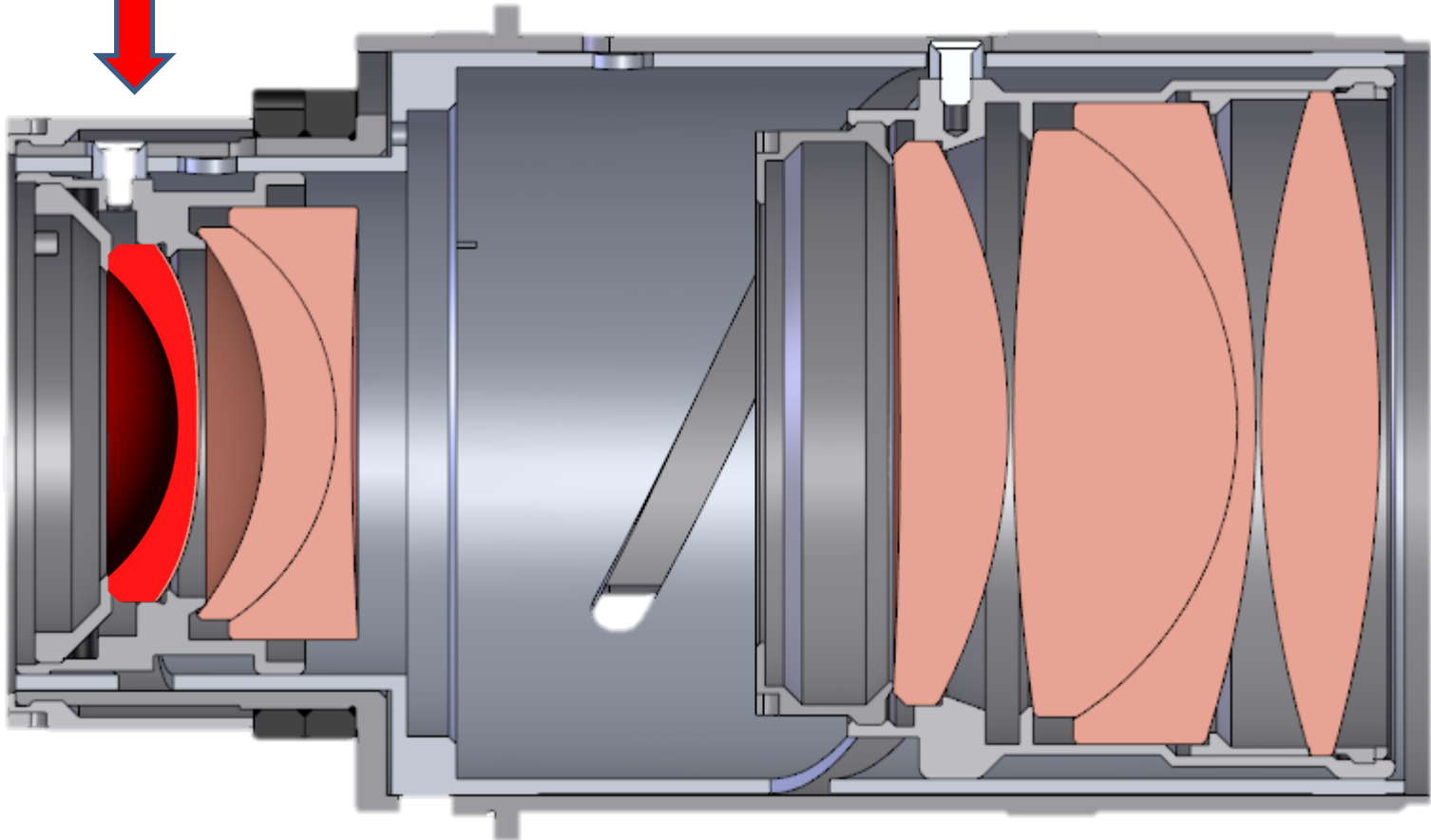


Optikdesign & Mechanik



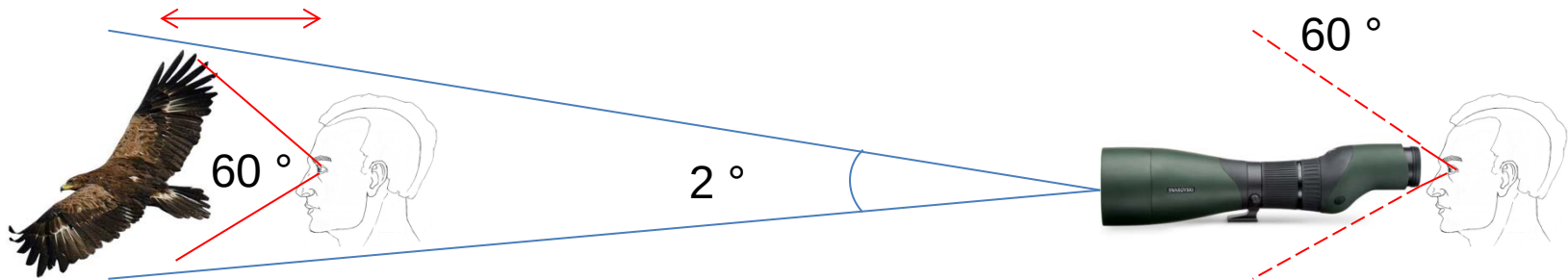


Asphäre



60m

2m



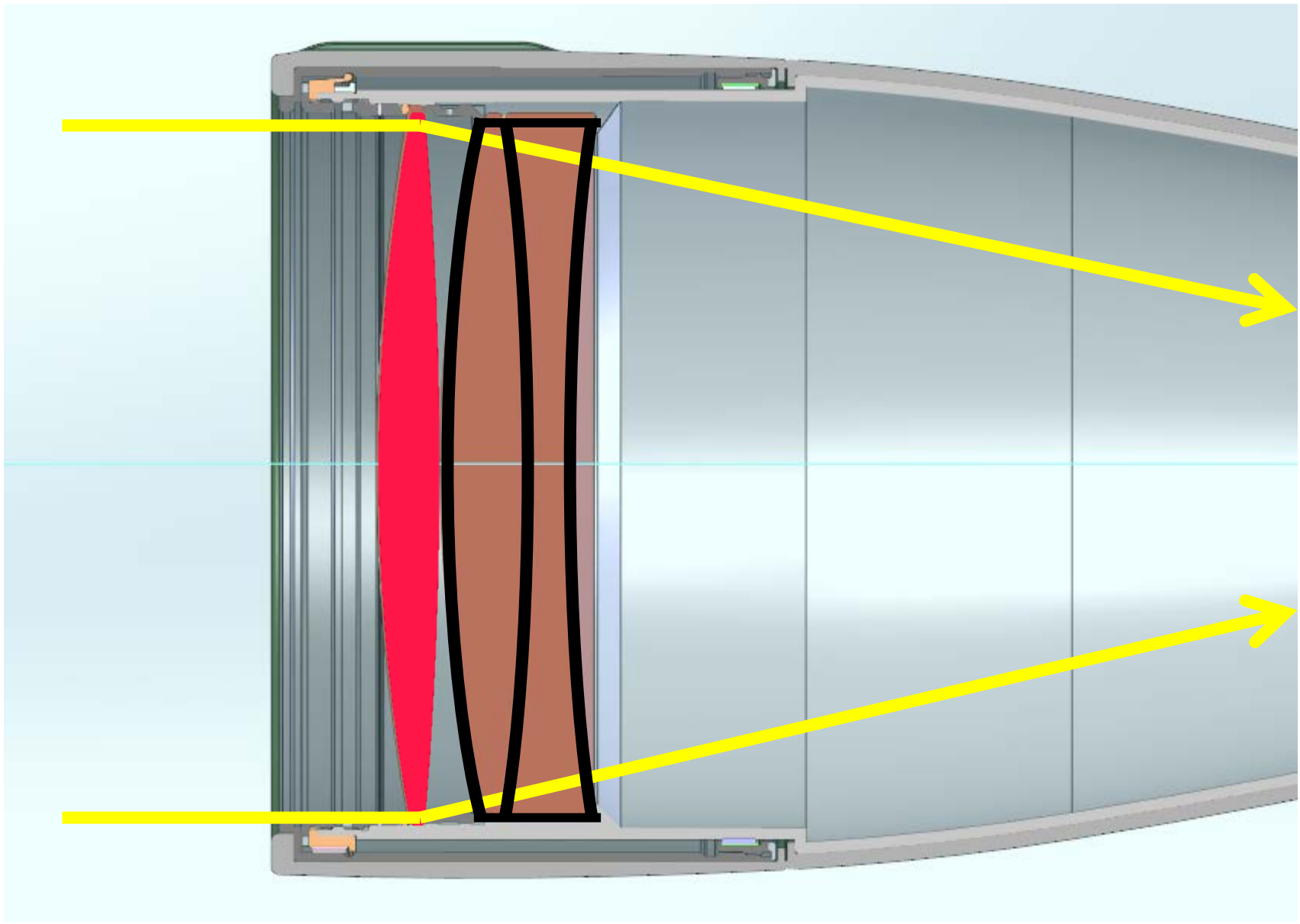


Bajonett

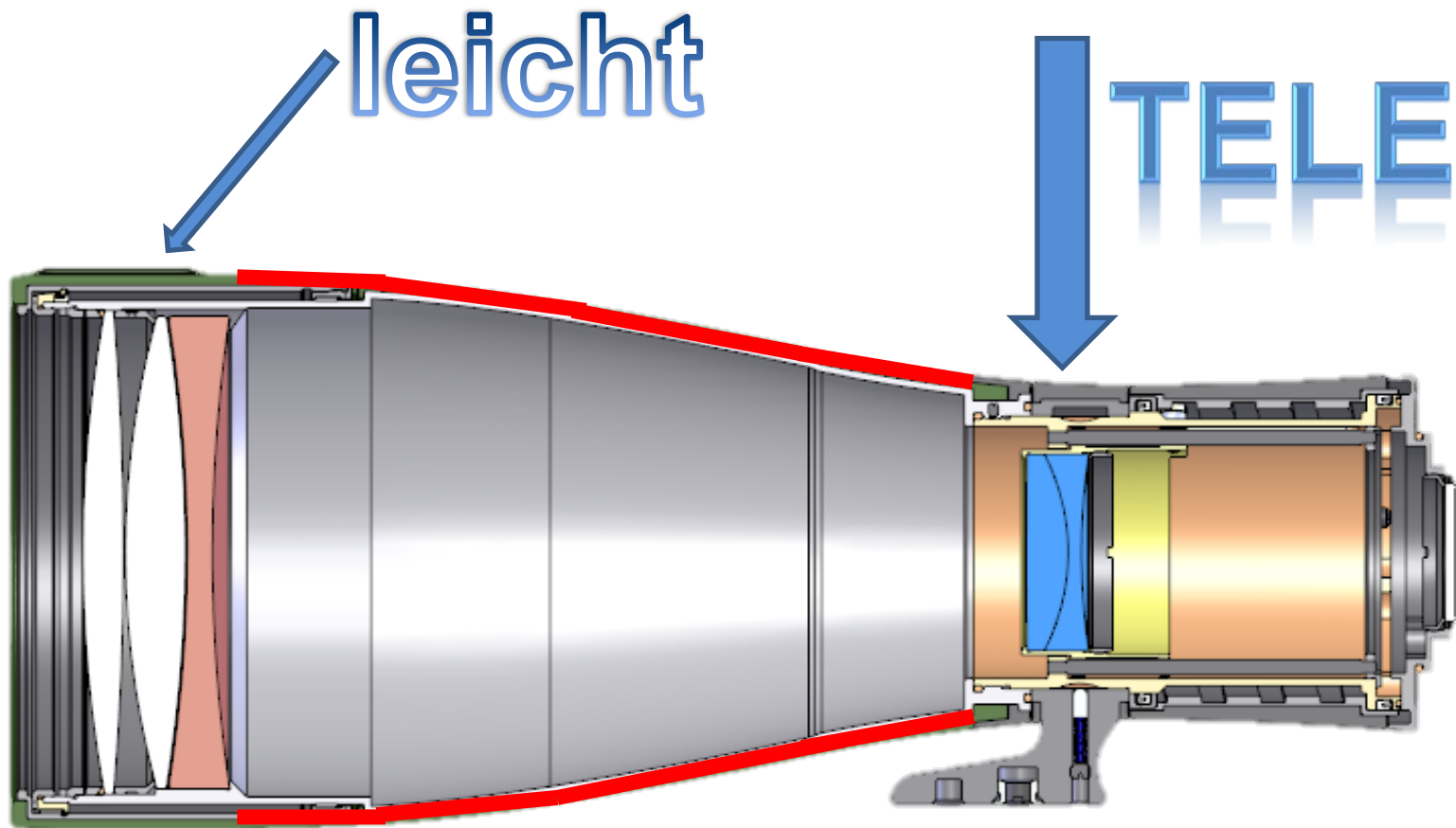
Großes Okular

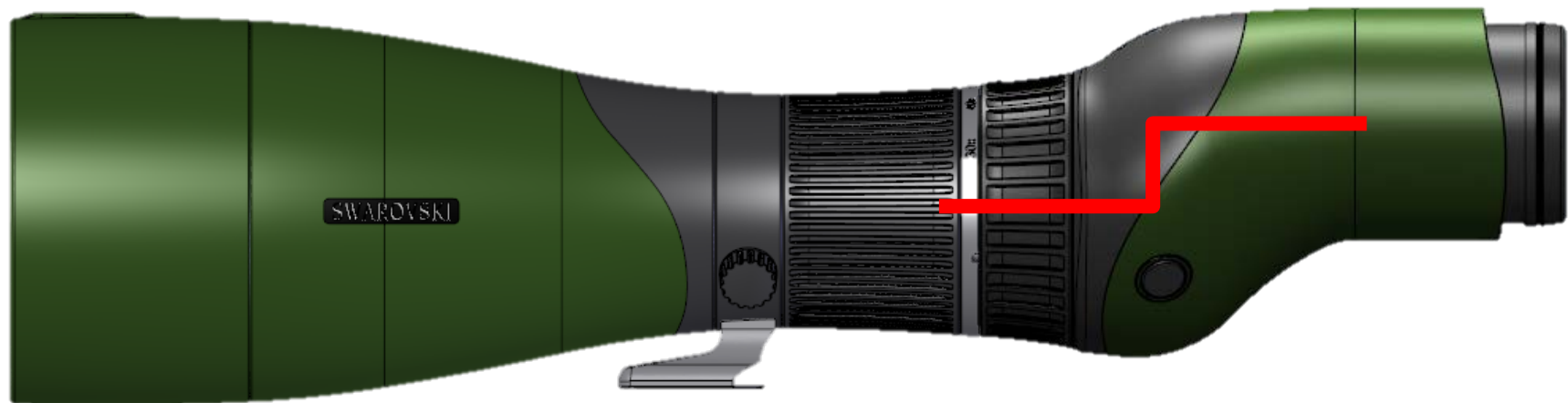
Komplexe Mechanik

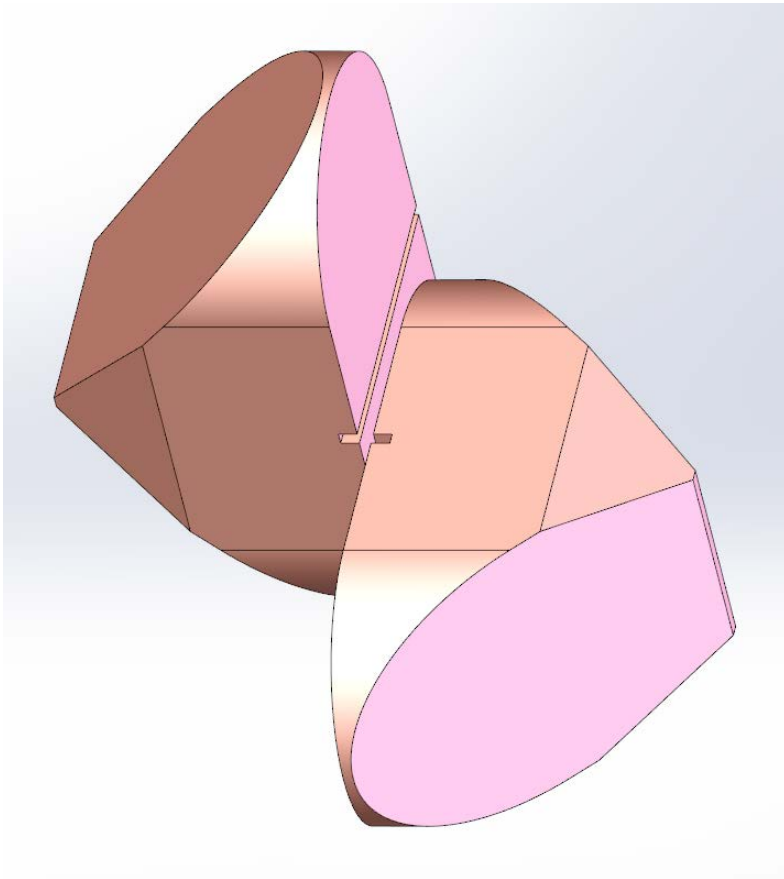




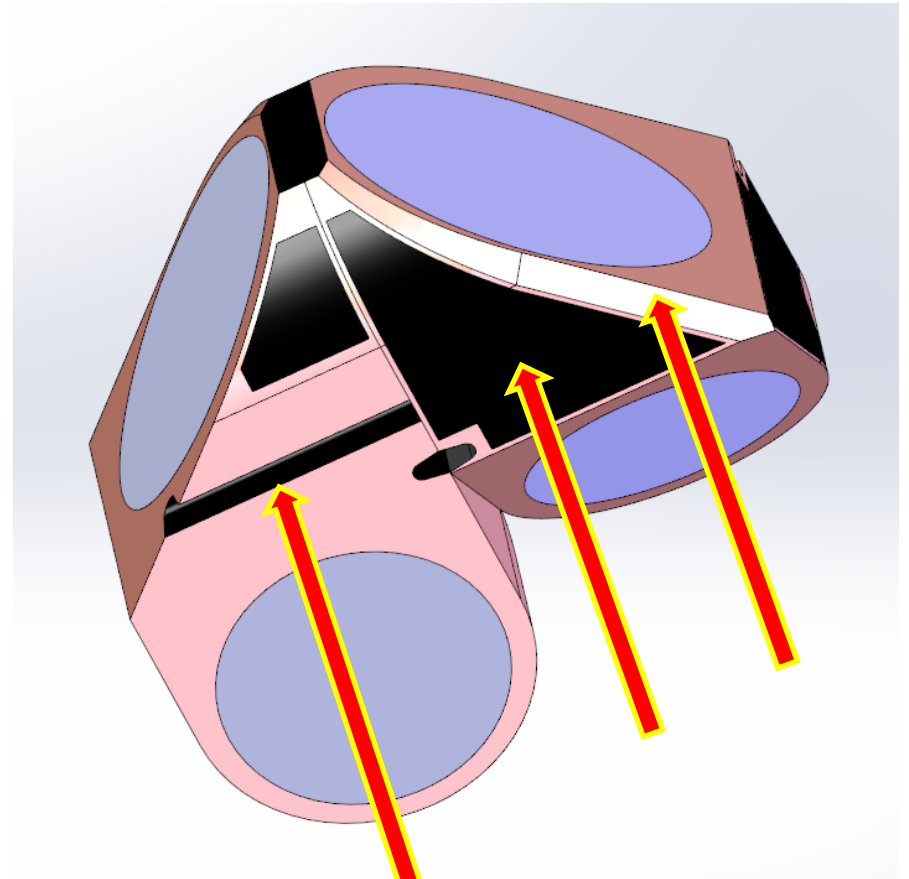
SWAROVSKI
OPTIK



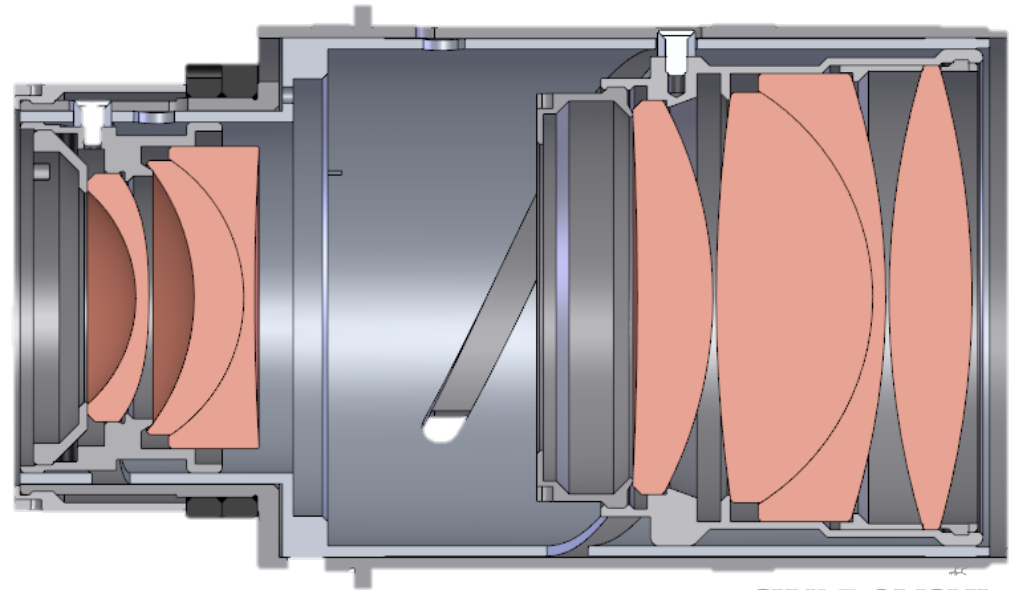
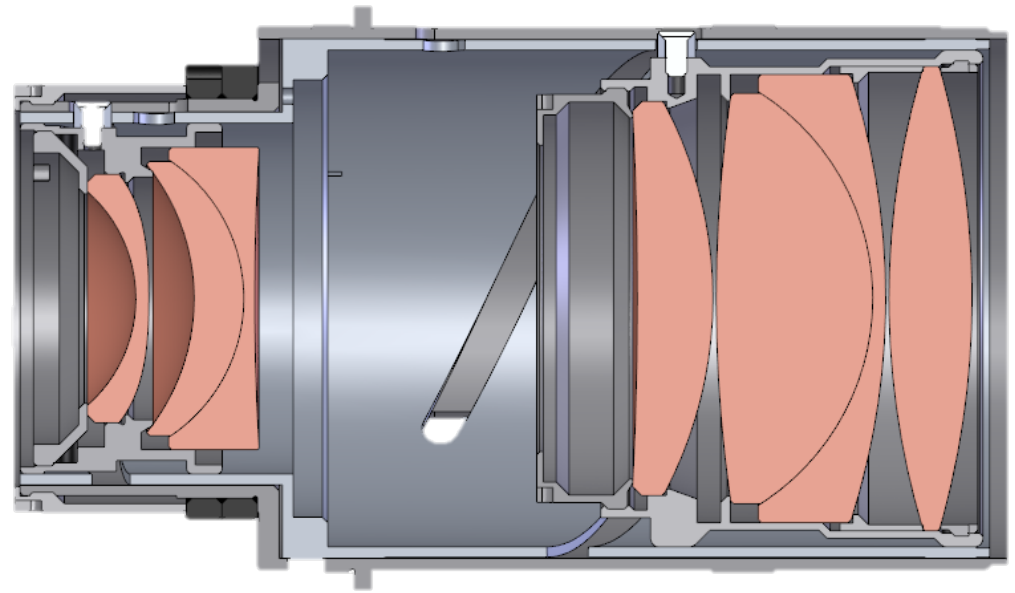
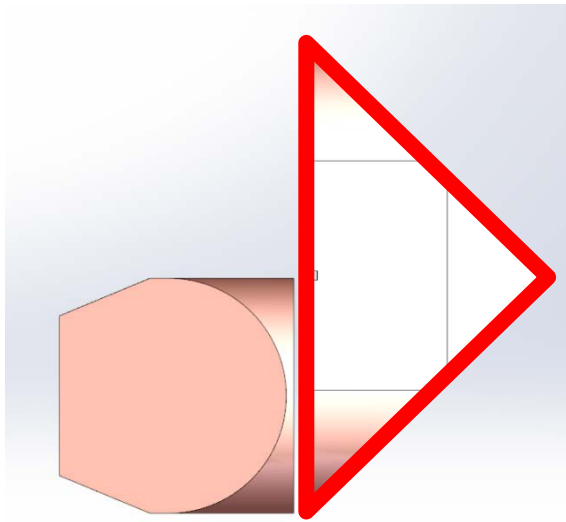




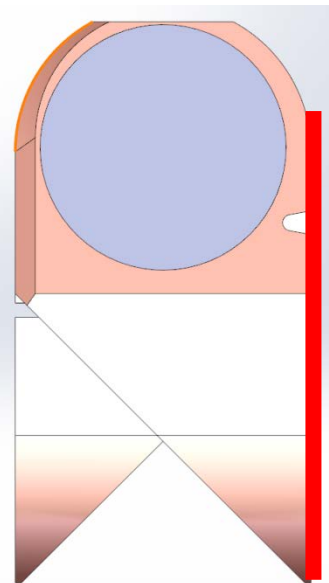
Porro 1



Porro 2



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OPTIK





H S Z D S N

C K R Z V R

N D C O S K

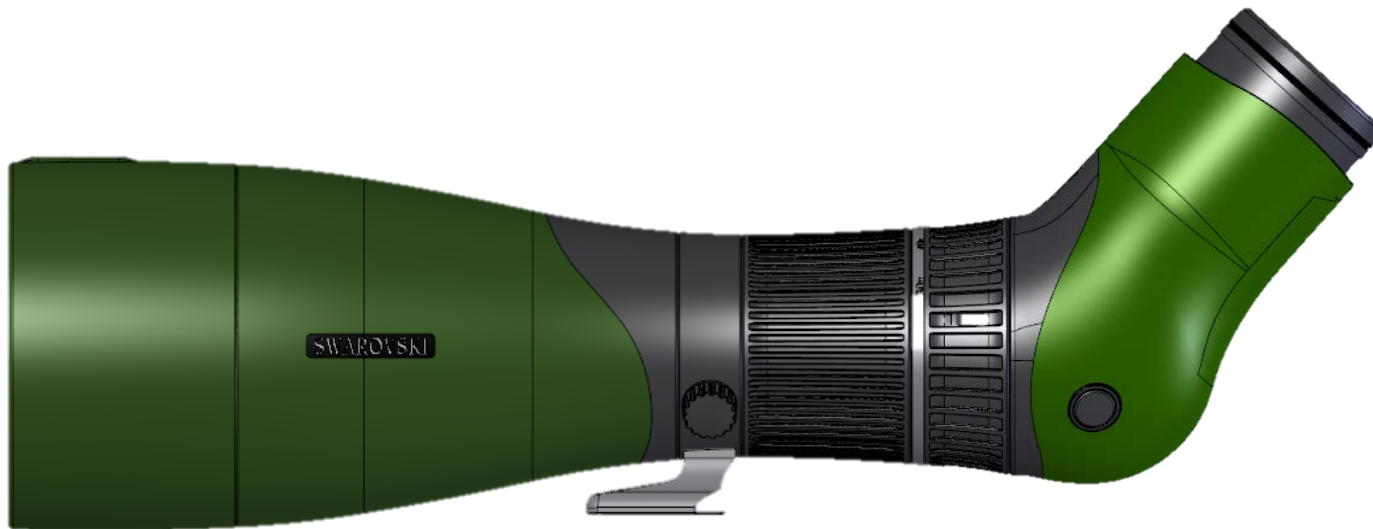
O Z K V H Z

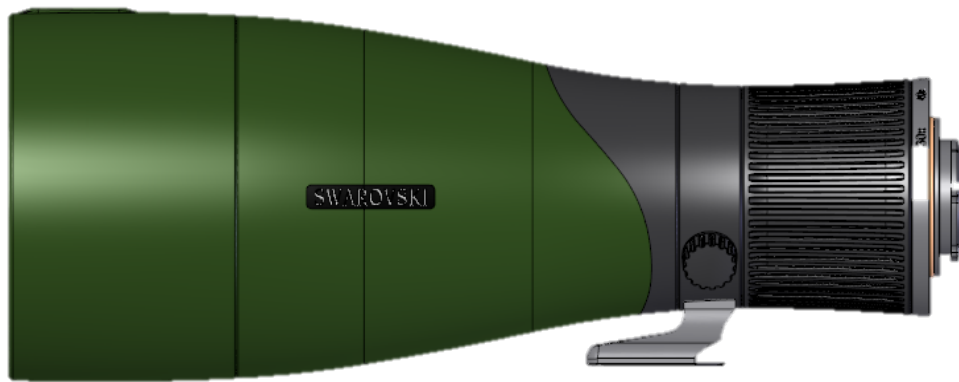
N H O N R D

V R C O V H

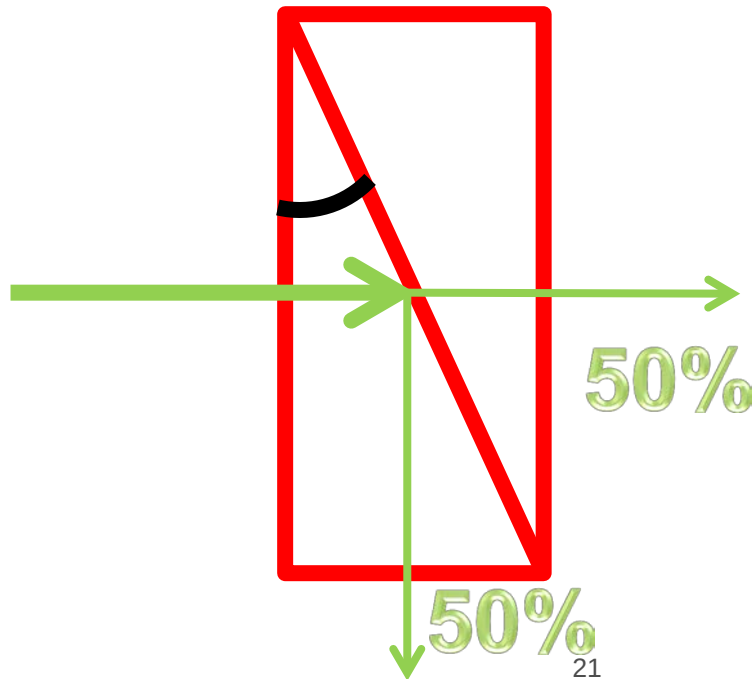
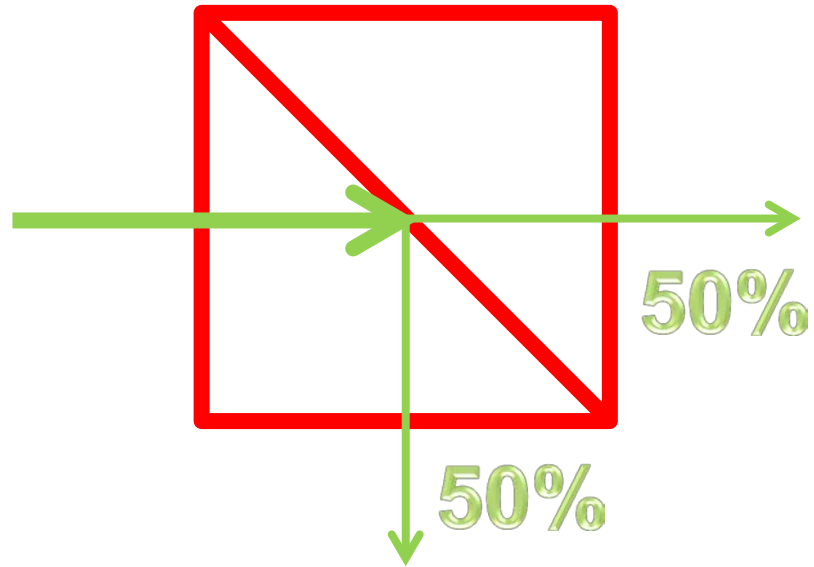
C D S N D C

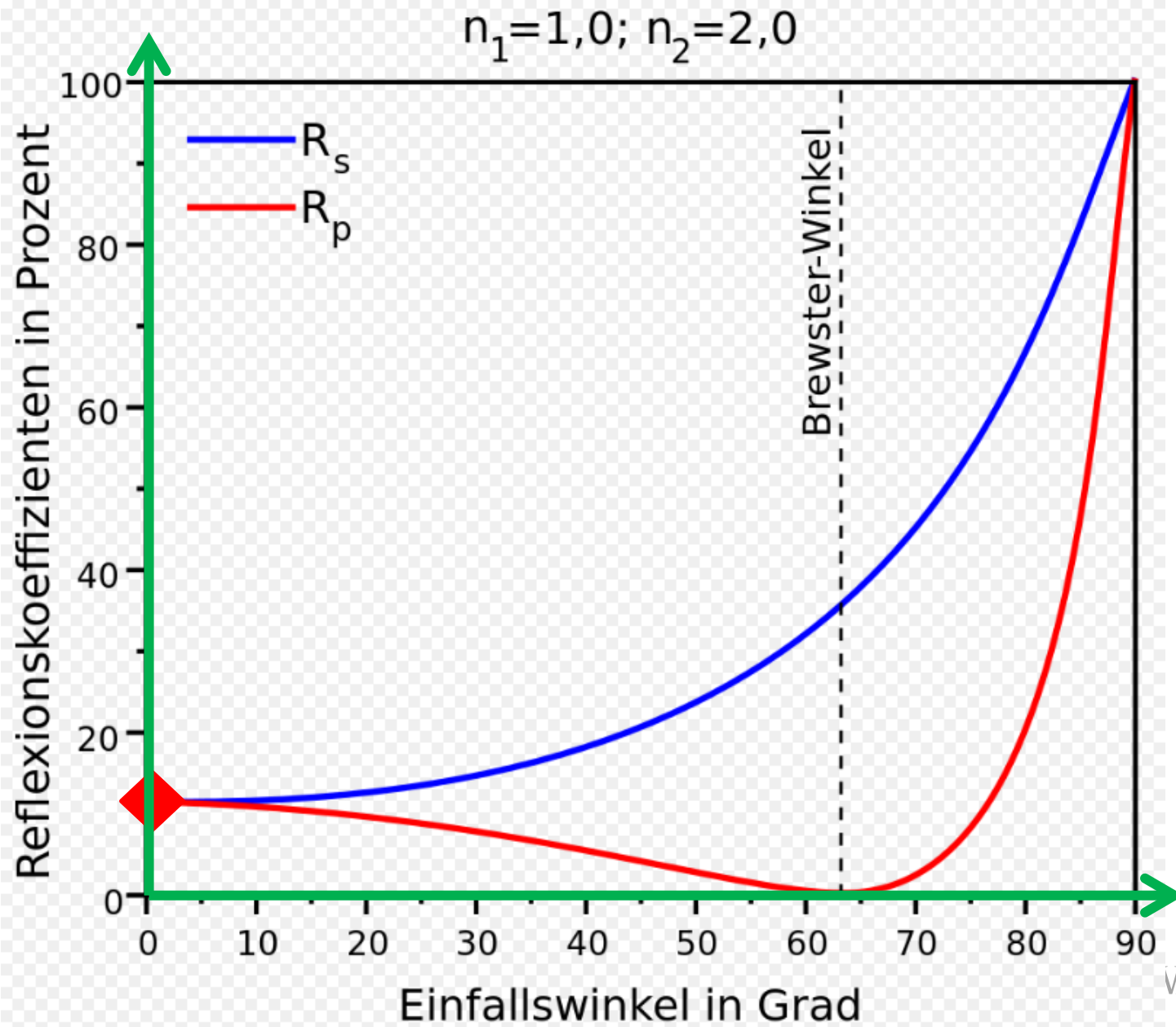
K V Z O H R

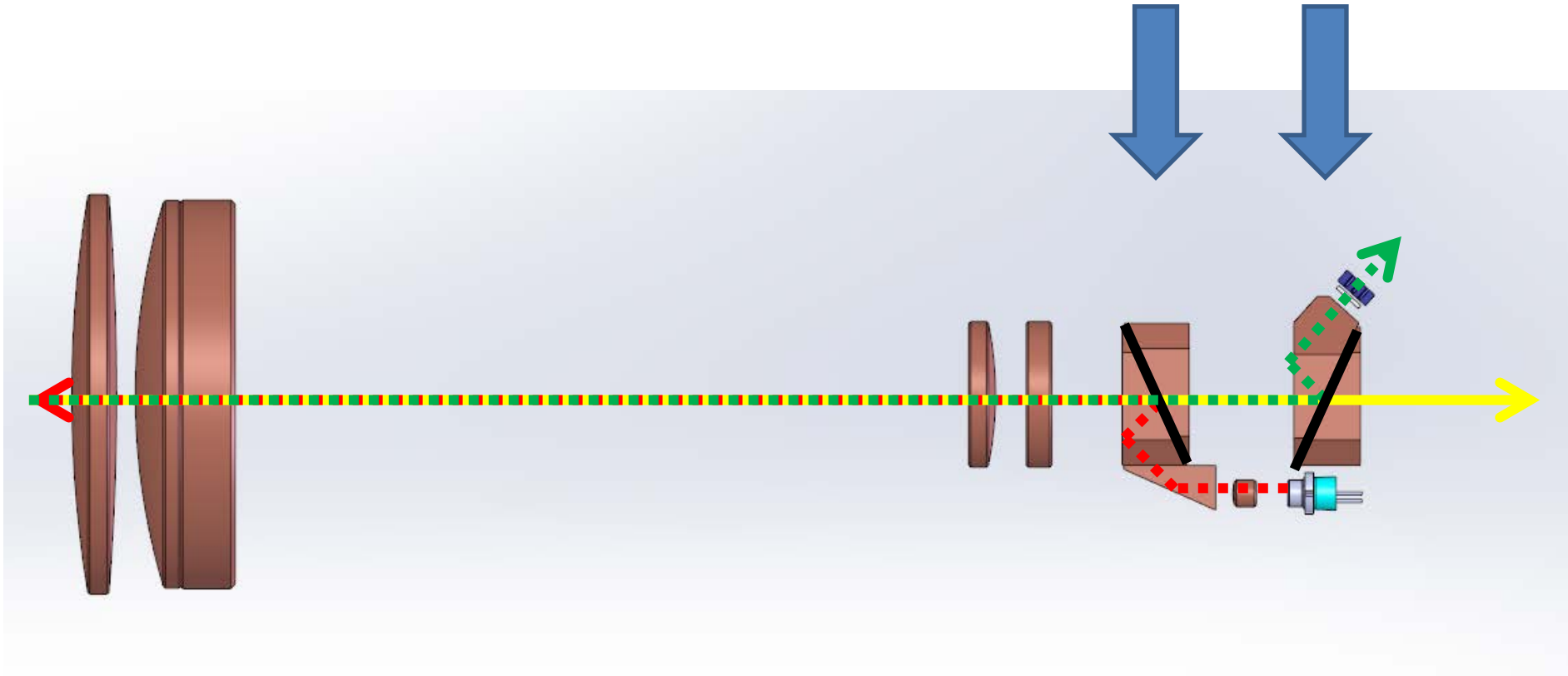




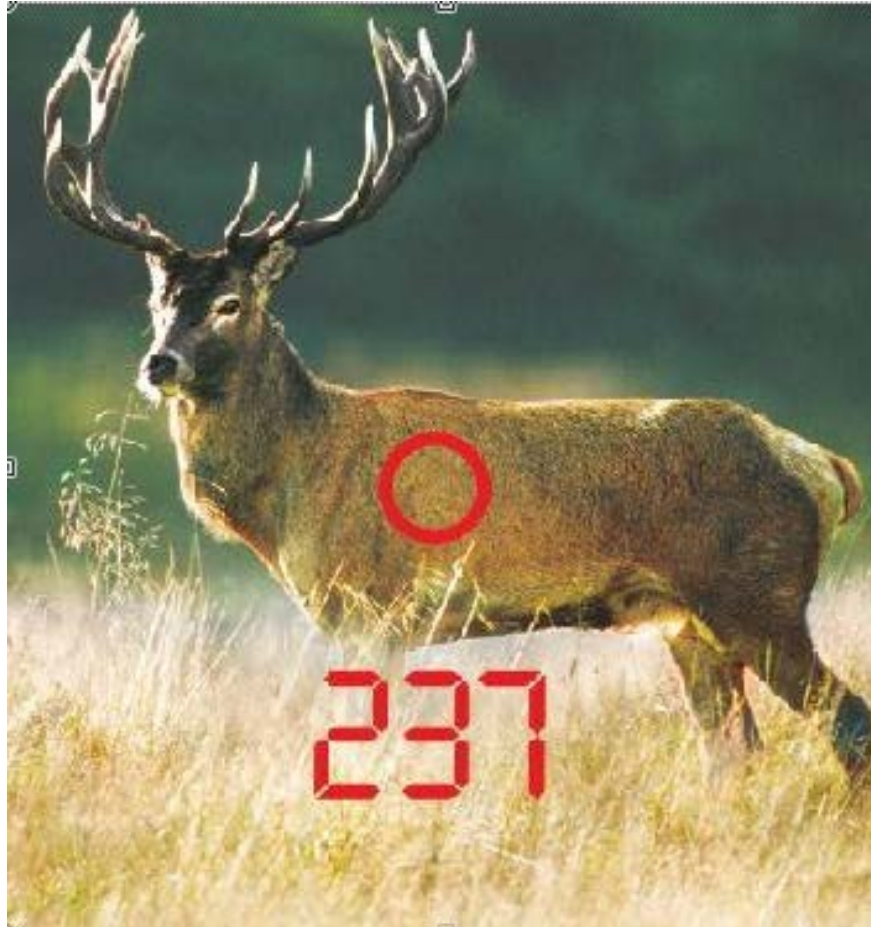
Optikdesign & Dünne Schichten

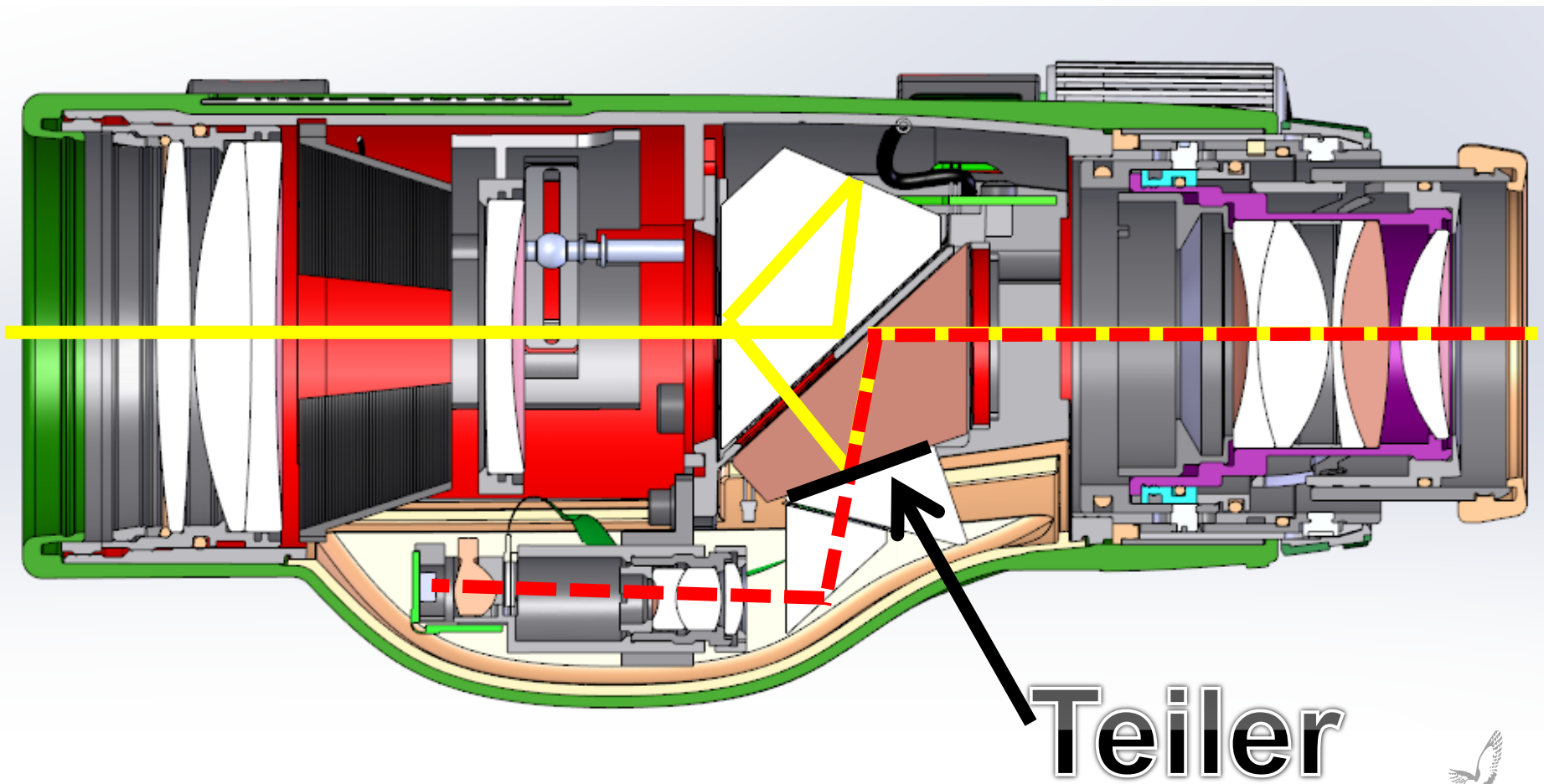






Nach der Messung

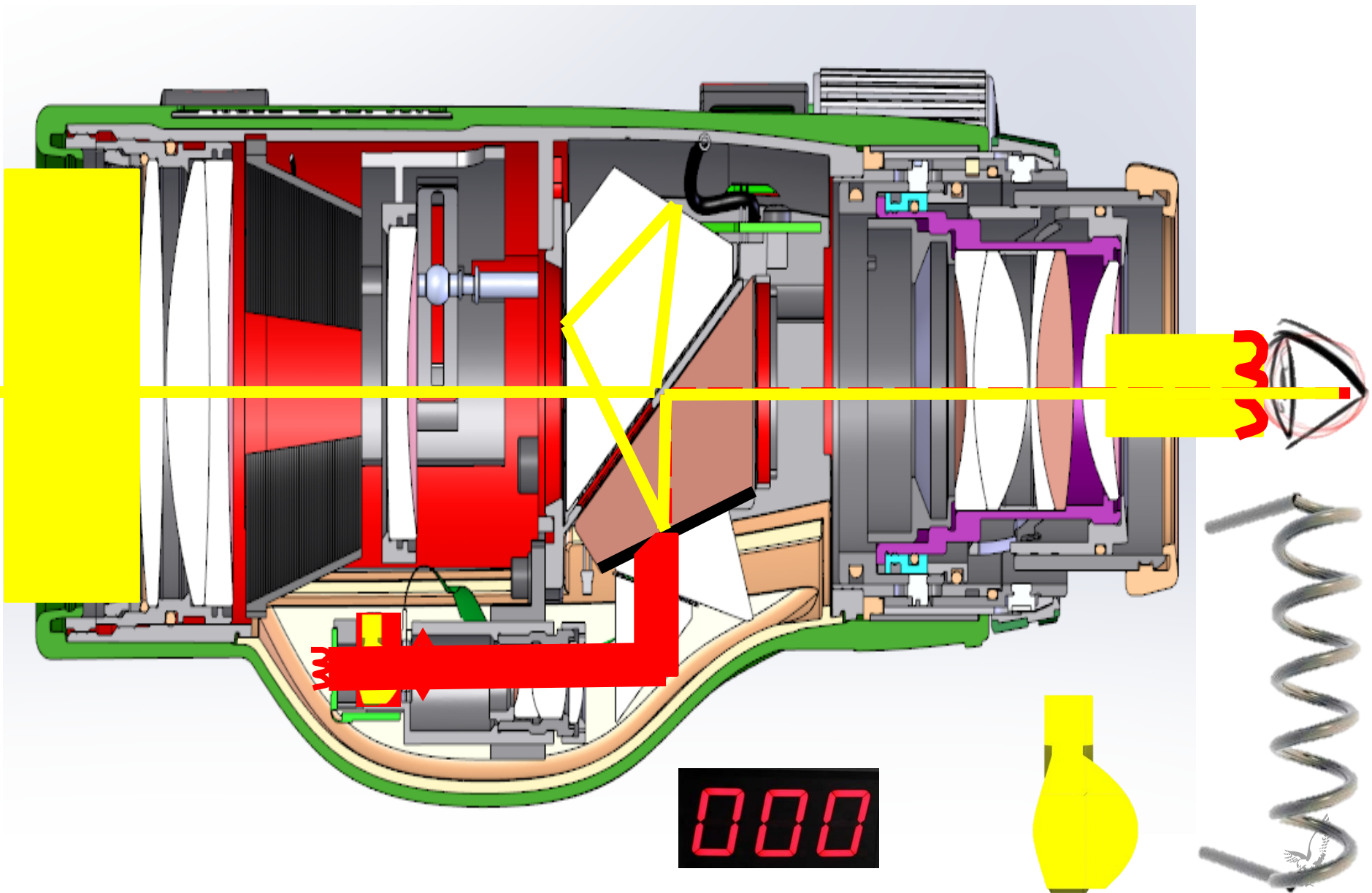




Teiler



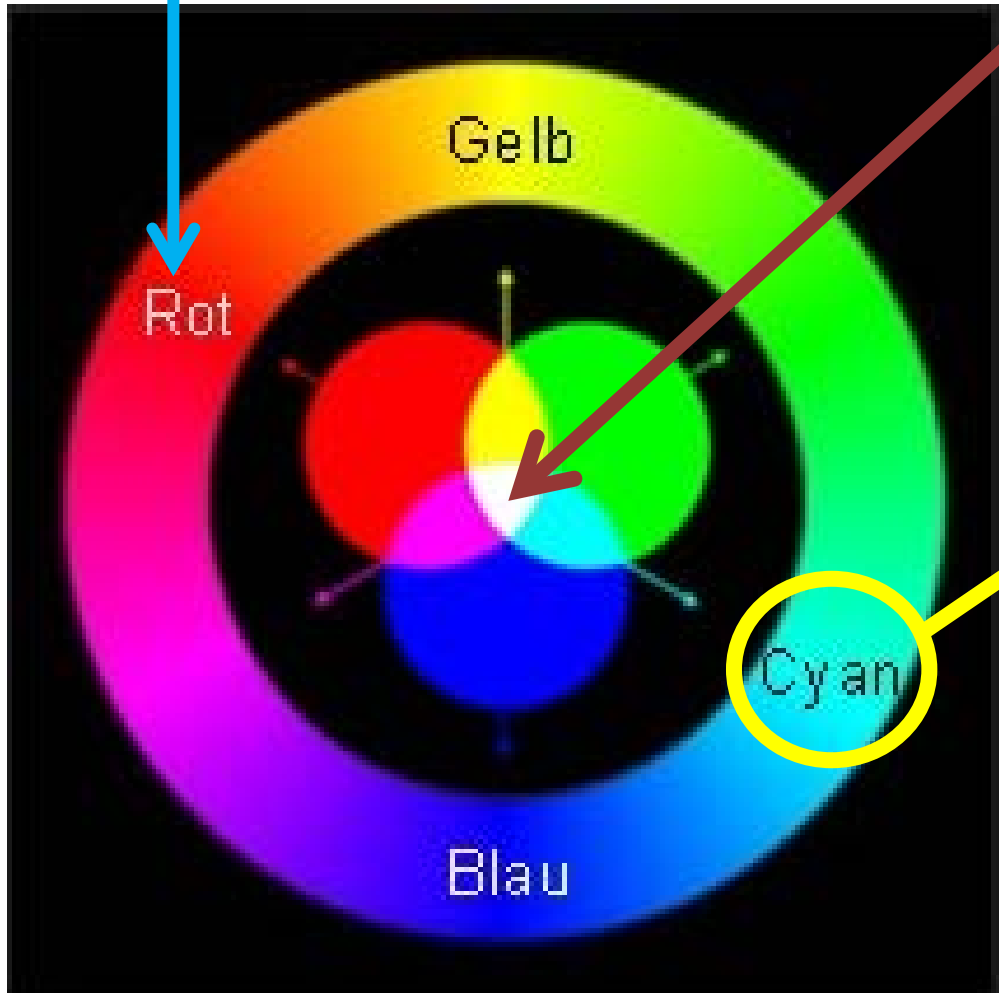
SWAROVSKI
OPTIK

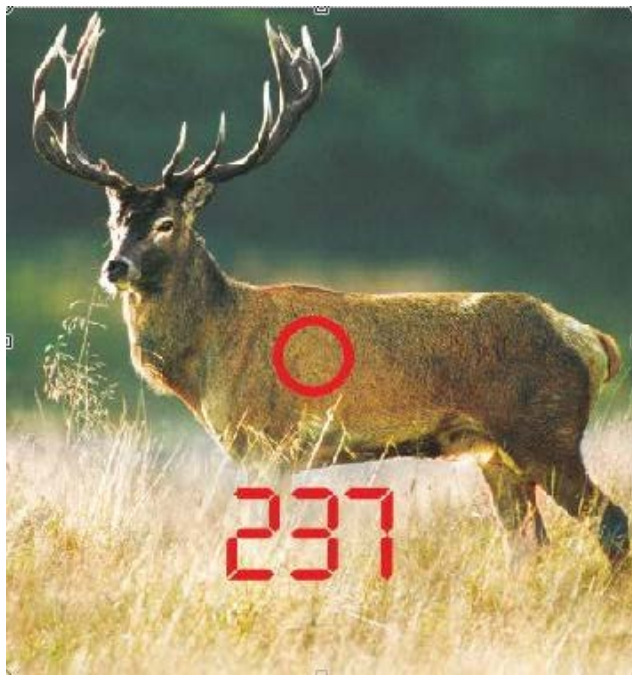


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Rot fehlt

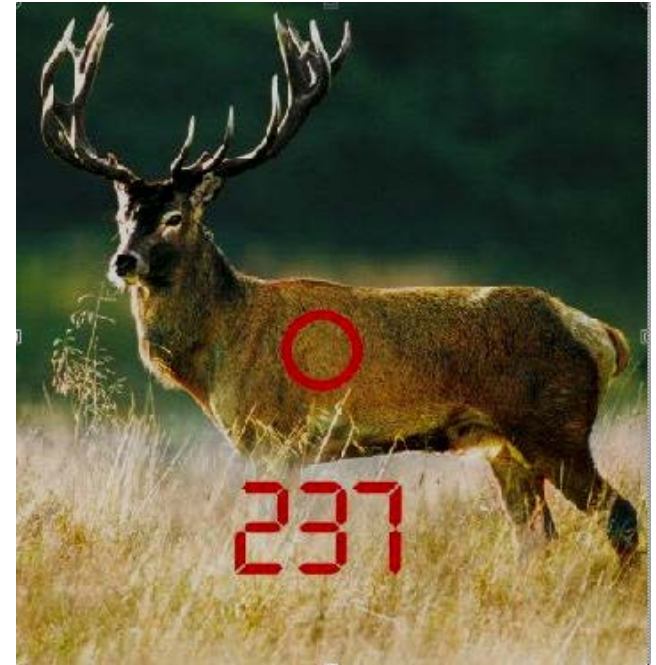
$$b + g + r = w$$



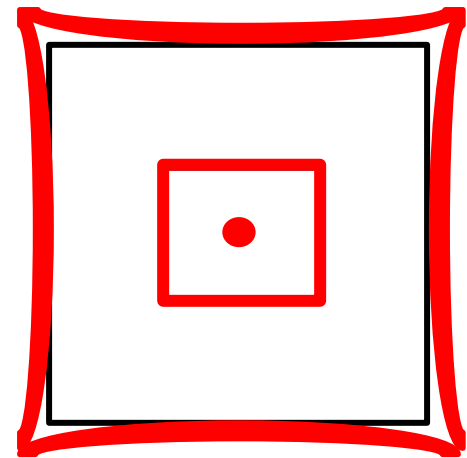
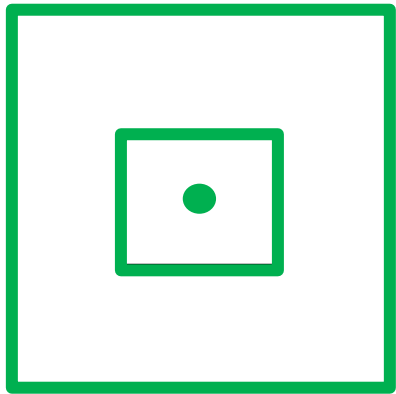
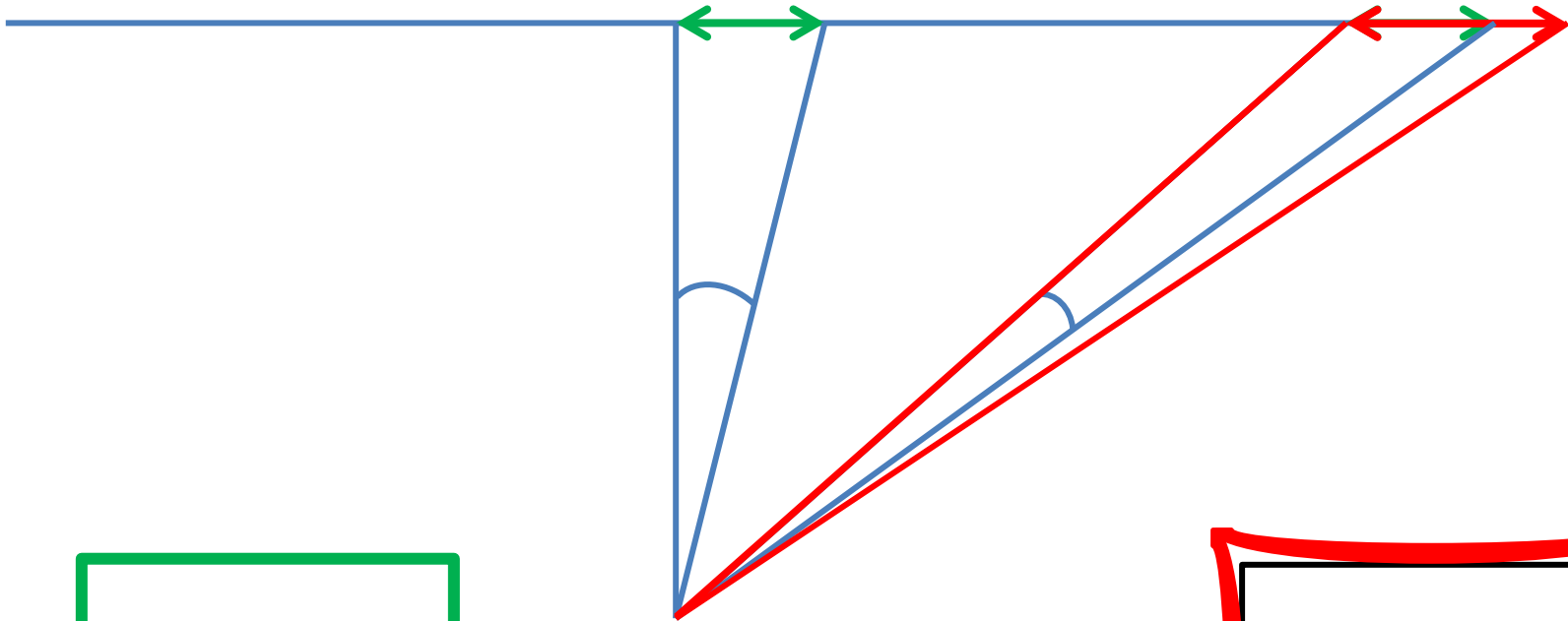


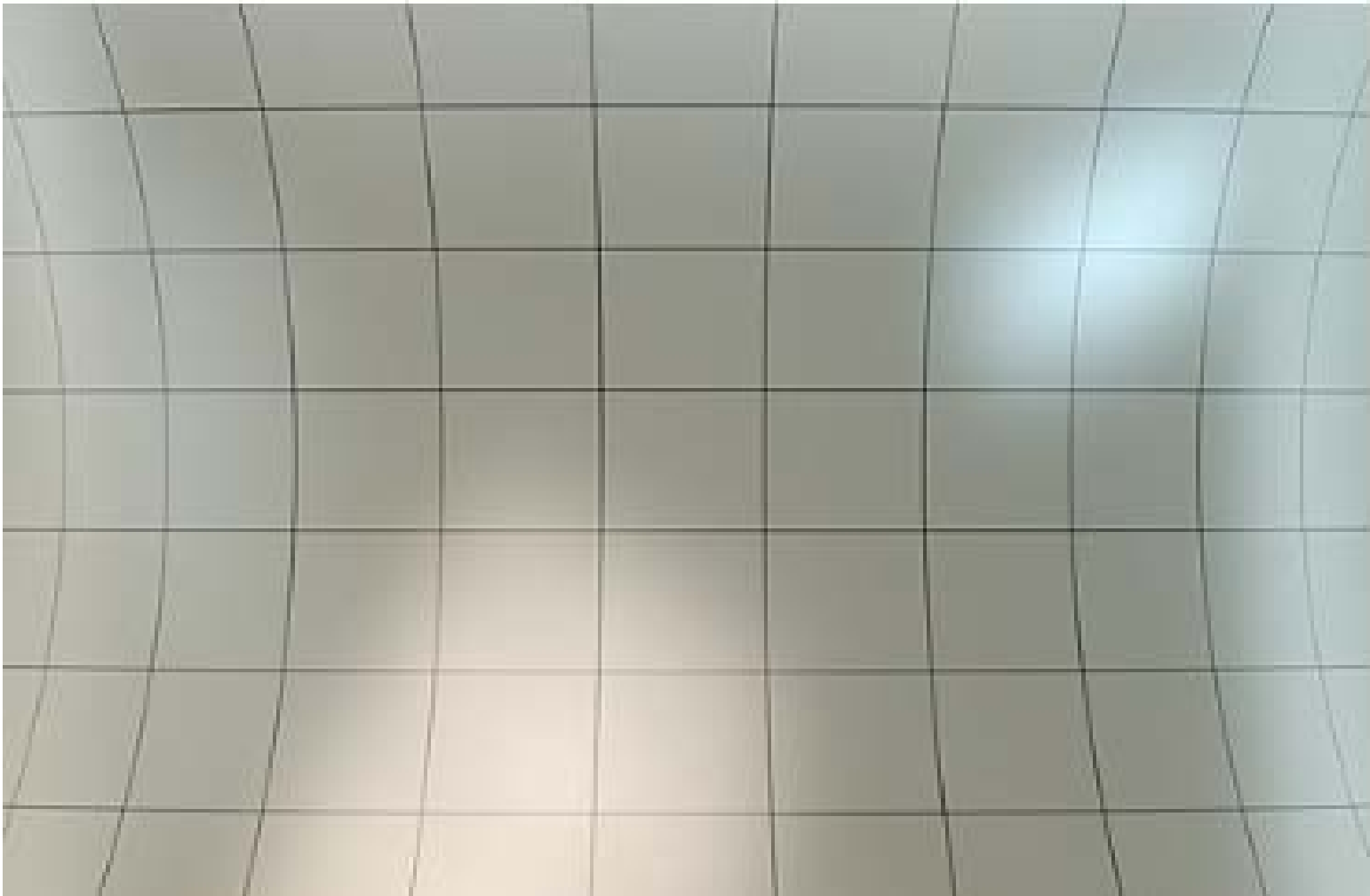
Es fehlt ein wenig **rot**
Es fehlt ein wenig **blau**
Ein bisschen **grün** weg

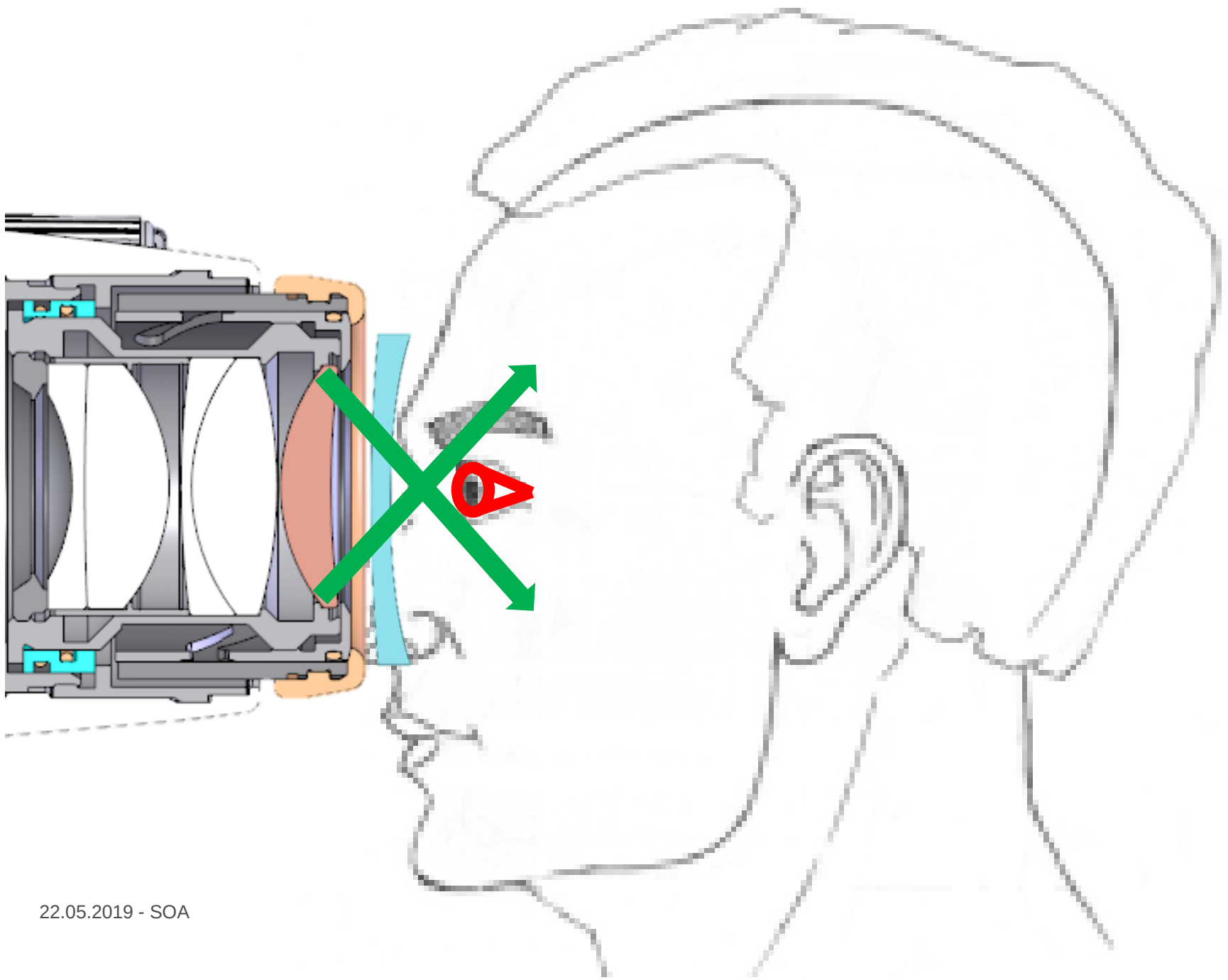
Ergibt weiß mit 90%



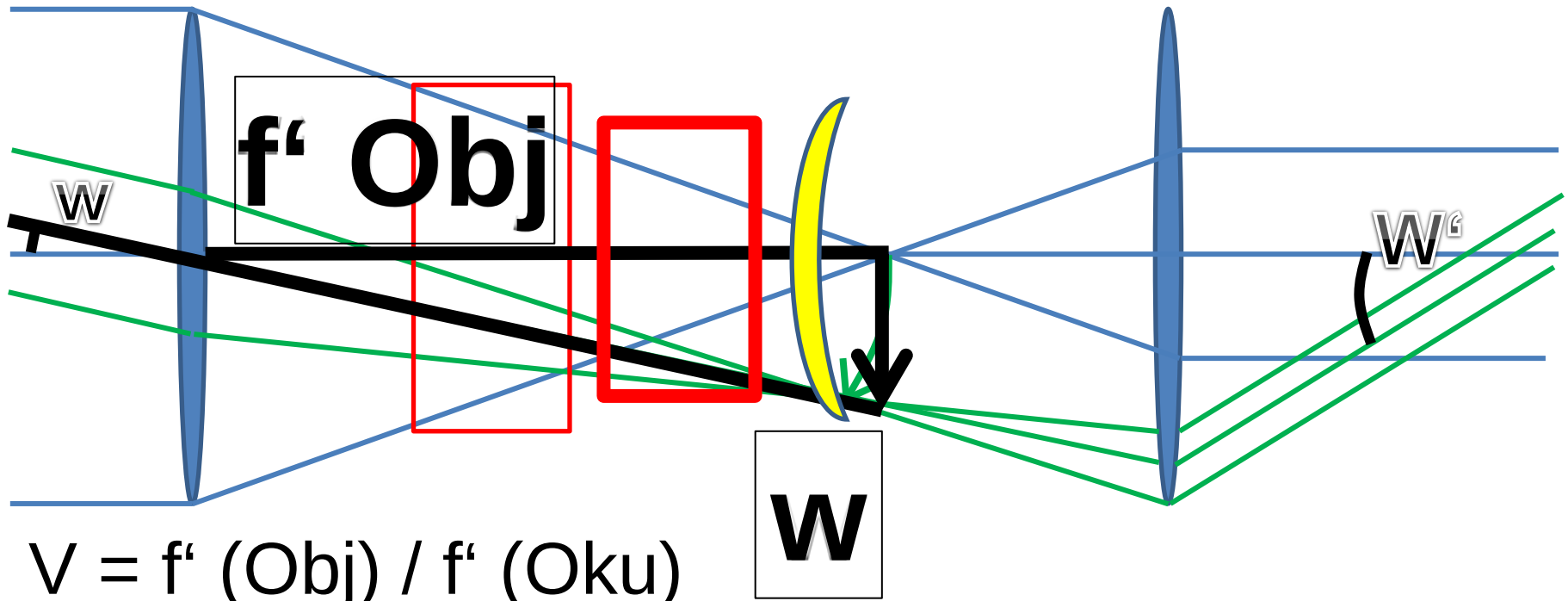
Optikdesign = nur Du allein







10 x 42



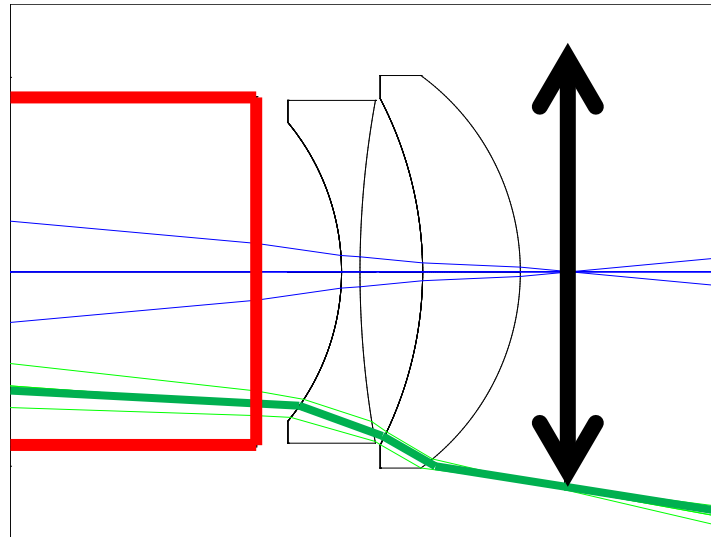
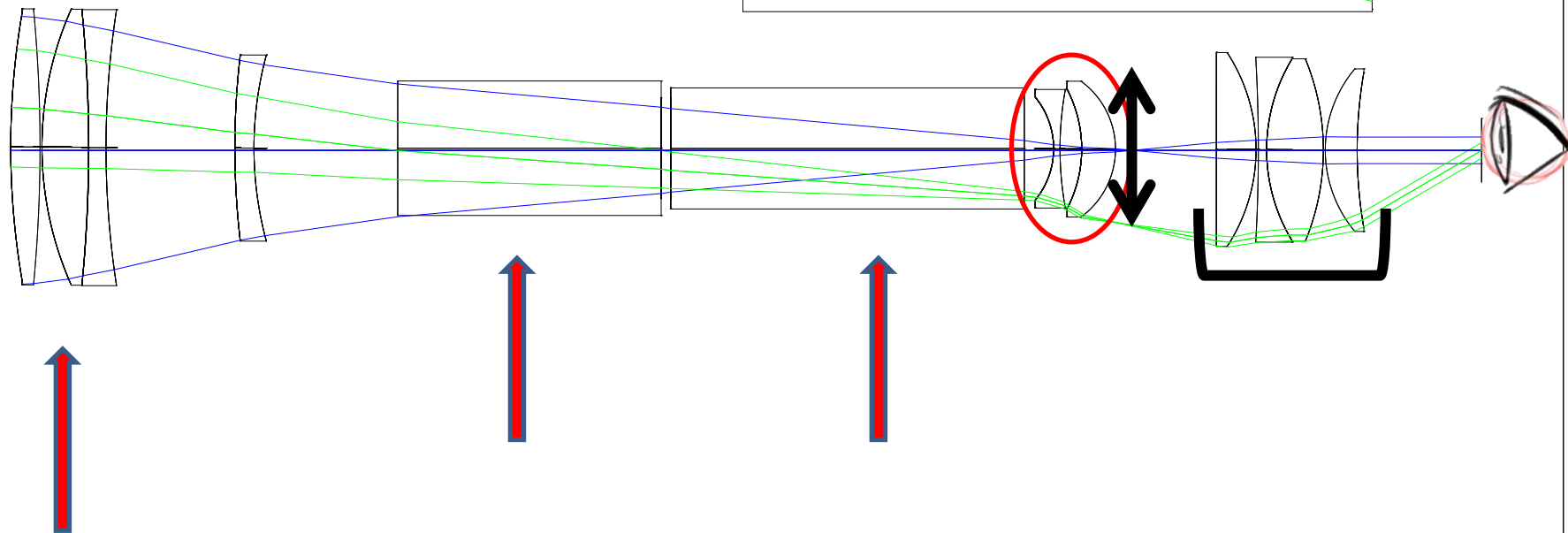
$$V = f' (\text{Obj}) / f' (\text{Oku})$$

$$10 = 145 / f' (\text{Oku}) \quad f' (\text{Oku}) = 14,5\text{mm} = \text{AA}$$

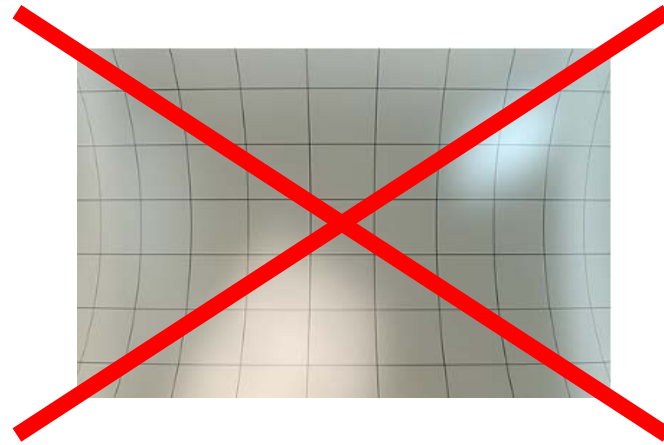
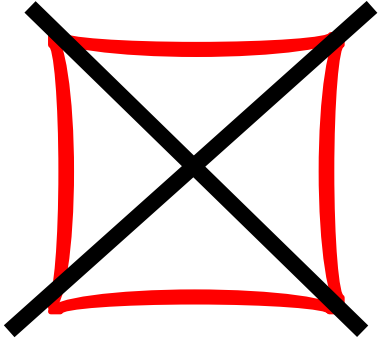
$$10 = 220 / f' (\text{Oku}) \quad f' (\text{Oku}) = 22,0\text{mm} = \text{AA}$$



SWAROVSKI
OPTIK



Field Flattener System



Ein tolles Seh - Erlebnis

