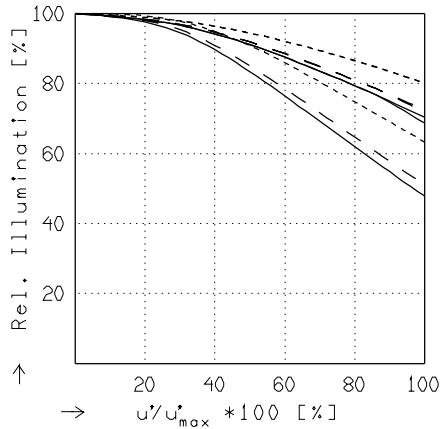
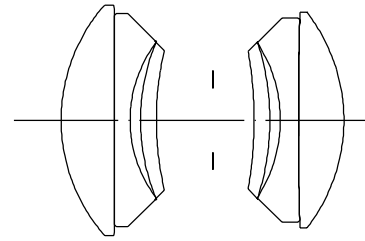


APO-DIGITAR 5.6/100

$$\begin{aligned}
 f' &= 100.9 \text{ mm} & \beta_p' &= 0.988 \\
 s_F &= -83.2 \text{ mm} & s_{EP} &= 19.0 \text{ mm} \\
 s_{F'} &= 84.2 \text{ mm} & s_{AP}' &= -15.4 \text{ mm} \\
 HH' &= -2.1 \text{ mm} & \Sigma d &= 32.3 \text{ mm}
 \end{aligned}$$

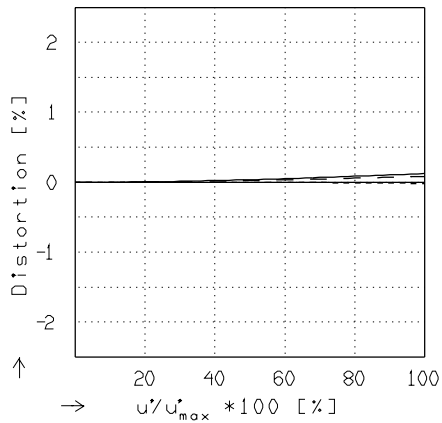


RELATIVE ILLUMINATION

The relative illumination is shown for the given focal distances or magnifications.

$$f / 5.6 \qquad f / 8.0 \qquad f / 11.0$$

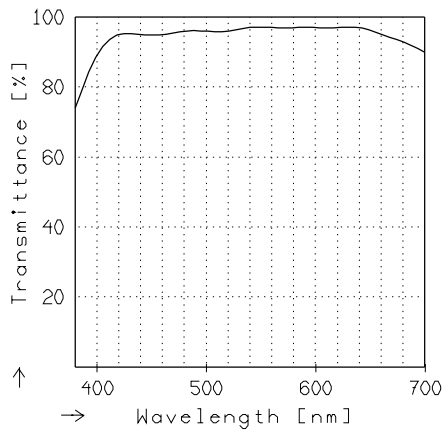
$$\begin{aligned}
 \text{—} & \beta' = -0.0500 & u_{\max}' &= 45.1 & 00' &= 2224. \\
 \text{---} & \beta' = -0.1000 & u_{\max}' &= 45.0 & 00' &= 1219. \\
 \text{----} & \beta' = -0.3333 & u_{\max}' &= 45.0 & 00' &= 536.
 \end{aligned}$$



DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

$$\begin{aligned}
 \text{—} & \beta' = -0.0500 & u_{\max}' &= 45.0 & 00' &= 2224. \\
 \text{---} & \beta' = -0.1000 & u_{\max}' &= 45.0 & 00' &= 1219. \\
 \text{----} & \beta' = -0.3333 & u_{\max}' &= 45.0 & 00' &= 536.
 \end{aligned}$$



TRANSMITTANCE

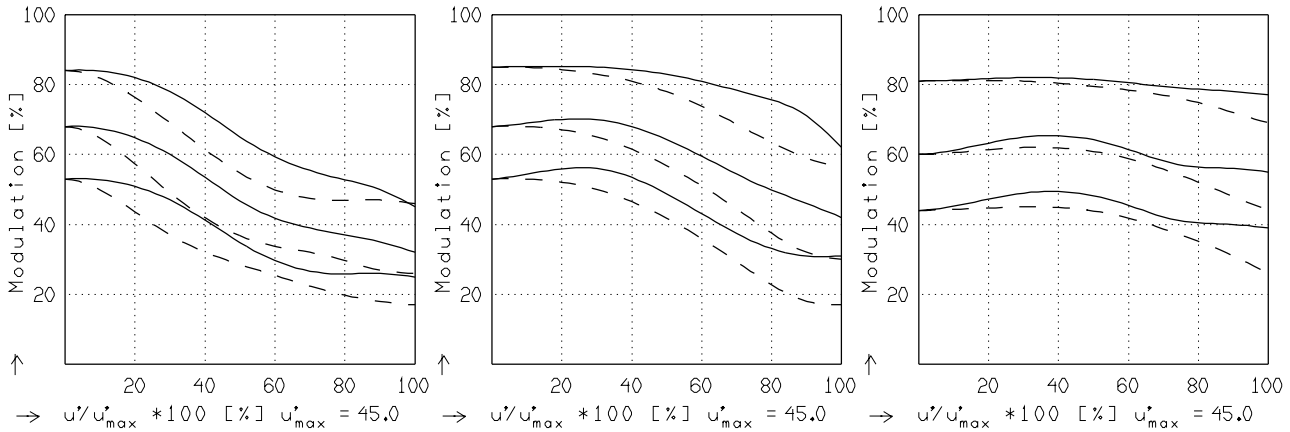
Relative spectral transmittance is shown with reference to wavelength.

AP0-DIGITAR 5.6/100

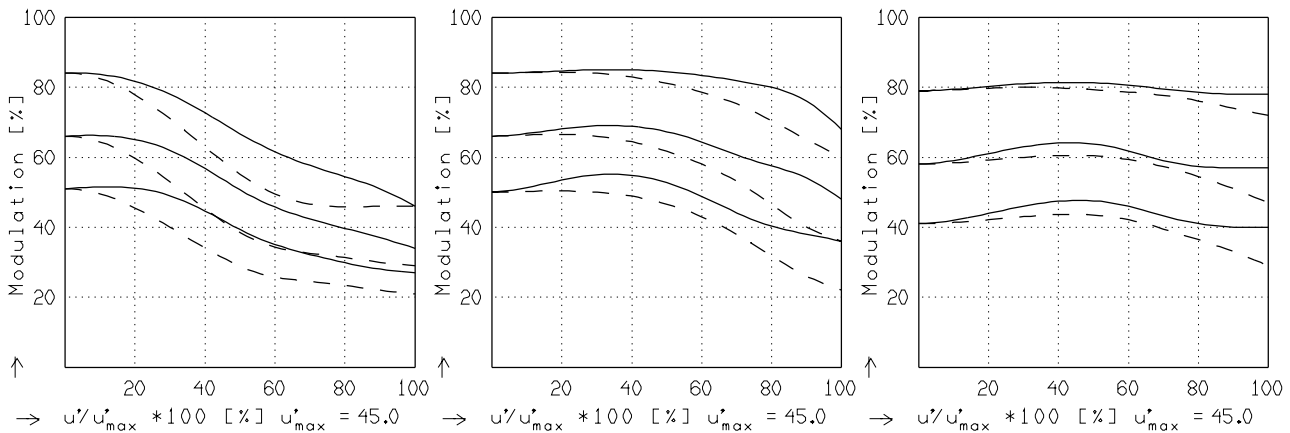
MODULATION with reference to the relative image height

Wavelength λ	[nm]	520	670	620	570	470	420
Spectral weighting	[%]	19.0	10.0	19.0	19.0	19.0	14.0
Spatial frequency R	[1/mm]	20	40	60			
Format	[mm X mm]	63.5	X	63.5			
Diagonal $2u'$	[mm]	90.0					

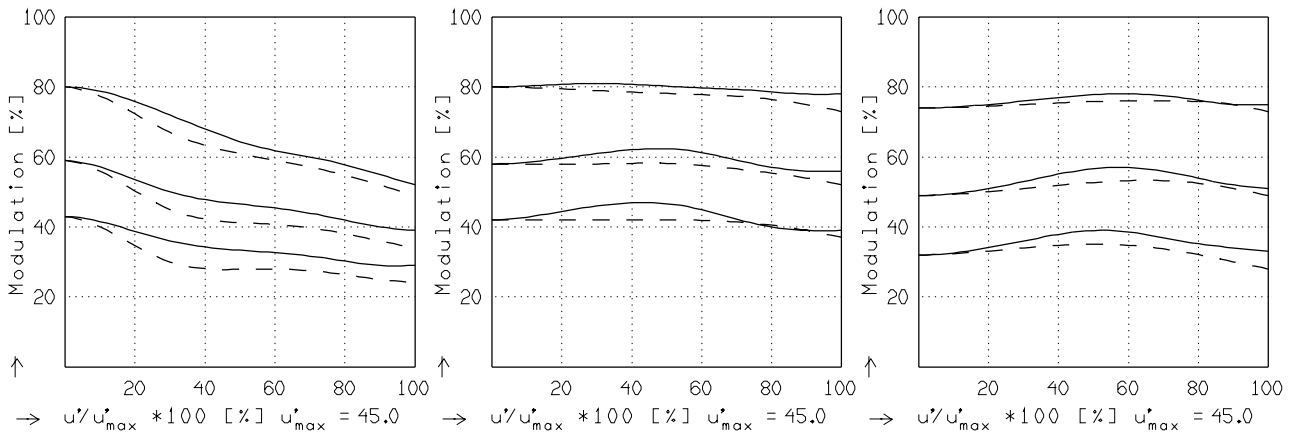
radial —
tangential - -



$f' = 100.9$ $f / 5.6$ $1/B' = -20.00$ $00' = 2224.$ $f' = 100.9$ $f / 8.0$ $1/B' = -20.00$ $00' = 2224.$ $f' = 100.9$ $f / 11.0$ $1/B' = -20.00$ $00' = 2224.$



$f' = 100.9$ $f / 5.6$ $1/B' = -10.00$ $00' = 1219.$ $f' = 100.9$ $f / 8.0$ $1/B' = -10.00$ $00' = 1219.$ $f' = 100.9$ $f / 11.0$ $1/B' = -10.00$ $00' = 1219.$



$f' = 100.9$ $f / 5.6$ $1/B' = -3.00$ $00' = 536.$ $f' = 100.9$ $f / 8.0$ $1/B' = -3.00$ $00' = 536.$ $f' = 100.9$ $f / 11.0$ $1/B' = -3.00$ $00' = 536.$

Focusing : MTF_{max} at $f / 5.6$, $R = 60$ 1/mm, $u'/u'_{max} = 0$

-0.200
-0.200
-0.200

-0.180
-0.180
-0.180

-0.155
-0.155
-0.155

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