First Printing Errata

P. 29

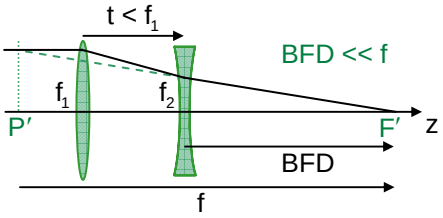
$$f/\#_W \approx (1-m)\, f/\# = (1-m)\frac{f_E}{D_{EP}} \qquad m = \text{Magnification}$$

P. 35:

$$DOF \approx \pm B'\, f/\#_W$$

P. 40 – Corrected figure for the corner cube:

P. 43 – The correct figure for the telephoto objective:



P. 62

F (H) 486.1 nm

First Printing Errata

P. 65 – The corrected table:

$\alpha = 60°$	BK7	F2
δ_{MIN} (n_d)	-38.7°	-48.2°
$\Delta n / \Delta\lambda$	-.0474/μm	-.1002/μm
$d\delta / d\lambda$	4.18°/μm	10.2°/μm
Δ or $\delta_F - \delta_C$	-.79°	-1.92°

P. 79:

$$W = W_{220} H^2 \rho^2 = W_{220} H^2 \left(x_P^2 + y_P^2 \right)$$

P. 80 – For pincushion distortion:

$$W_{311} < 0$$

$$\varepsilon_Y > 0 \text{ for } H > 0$$

P. 81 – In the text box:

Using normalized field and pupil coordinates gives the value of the wavefront aberration coefficients physical meaning. W_{IJK} is the amount of wavefront error associated with this aberration term at the edge of the pupil ($y_P = 1$) and the edge of the field ($H = 1$).

P. 100

$$\sin\alpha \sin\beta = \frac{1}{2}\cos(\alpha - \beta) - \frac{1}{2}\cos(\alpha + \beta)$$

$$\cos\alpha \cos\beta = \frac{1}{2}\cos(\alpha - \beta) + \frac{1}{2}\cos(\alpha + \beta)$$

Second Printing Errata

P. 32:

"opbliquily" changed to "obliquity"

P. 71:

"OPD" changed to "optical path"

P. 87:

"Wein's" changed to "Wien's"

P. 92:

"Emmotropia" changed to "Emmetropia"