FORMULARIO

$$i'' = -i$$

$$n' \sin i' = n \sin i$$

$$\theta_c = \sin^{-1}\left(\frac{n_{min}}{n_{max}}\right)$$

$$v_d = \frac{n_d - 1}{n_F - n_C}$$

$$|\delta| = (n-1)\,\alpha$$

$$R = \frac{(n'-n)^2}{(n'+n)^2} \qquad T = 1 - R$$

$$z(r) = \frac{c\,r^2}{1+\sqrt{1-(1+K)\,c^2\,r^2}} + Ar^4 + Br^6 + \cdots + Jr^{20}$$

$$n'u' = n\,u - (n'-n)\,c\,y$$

$$y_{+1} = y + t\,u'$$

$$\frac{f}{n_0} = -\frac{f'}{n_k}$$

$$\frac{n_k}{l'} = \frac{n_0}{l} + \frac{n_k}{f'}$$

$$m = \frac{\eta'}{\eta} = \frac{n_0 l'}{n_k l}$$

$$l = \frac{n_0}{n_k}\,\frac{1-m}{m}\,f'$$

$$l' = (1-m)\,f'$$

$$m_{N\text{-}N'} = \frac{n_0}{n_k}$$

$$l_N = l'_{N'} = \left(1 - \frac{n_0}{n_k}\right) f'$$

$$FN = f' \qquad F'N' = f$$

$$\eta' = \frac{n_0}{n_k}\,f'\,u_0$$

$$u'_k = -\frac{\eta}{f'}$$

$$(l'_2 - l'_1) = M\ (l_2 - l_1)$$

$$M = \frac{n_k}{n_0}\,m_1 \cdot m_2$$

$$\Phi = \frac{n_k}{f'}$$

$$f/\# = \frac{1}{|n|}\,\frac{|T|}{|D|} = \frac{1}{|n|}\,\frac{1}{2\tan|\theta|}$$

$$NA = |n|\sin|\theta|$$

$$f/\# = \frac{1}{|n|}\,\frac{1}{2\,|\theta|}$$

$$NA = |n|\,|\theta|$$

$$NA = \frac{1}{2\,f/\#}$$

$$NA' = \frac{1}{|m|}\,NA \qquad (f/\#)' = |m|\,f/\#$$

$$(f/\#)' = \frac{1}{|n_k|}\,\frac{|f'|}{EPD}$$

$$f' = -\frac{y_1}{u'_k} \qquad f = \frac{n_0}{n_k}\,\frac{y_1}{u'_k}$$

$$bfl = -\frac{y_k}{u'_k} \qquad ffl = -\widehat{ffl} = \frac{\hat{y}_1}{\hat{u}'_1}$$

$$t_{EP} = \frac{\hat{y}_1}{\hat{u}'_1} \qquad t_{XP} = -\frac{y_k}{u'_k}$$

$$\frac{\phi_{EP}}{\phi_{stop}} = \left|\frac{n_{stop-1}\,\hat{u}_{stop-1}}{n_0\,\hat{u}'_1}\right|$$

$$\frac{\phi_{XP}}{\phi_{stop}} = \left|\frac{n_{stop}\,u_{stop+1}}{n_k\,u'_k}\right|$$

$$f = -\frac{n_0}{(n_1 - n_0)\ c_1}$$

$$f' = \frac{n_1}{(n_1 - n_0)\ c_1}$$

$$\Phi = (n_1 - n_0)\ c_1$$

$$\mathrm{P} \equiv \mathrm{P}' \equiv \mathrm{V}_1 \qquad l_\mathrm{N} = l'_{\mathrm{N}'} = R_1$$

$$l' = \frac{n_1}{n_0}\ l \qquad m = \frac{\eta'}{\eta} = 1$$

$$f' = f = \frac{R_1}{2} \qquad \Phi = -\frac{2\,n_0}{R_1}$$

$$\mathrm{P} \equiv \mathrm{P}' \equiv \mathrm{V}_1 \qquad l_\mathrm{N} = l'_{\mathrm{N}'} = R_1$$

$$\frac{1}{l'} = -\frac{1}{l} + \frac{1}{f'} \qquad m = \frac{\eta'}{\eta} = -\frac{l'}{l}$$

$$l' = -l \qquad m = \frac{\eta'}{\eta} = 1$$

$$\Phi_1 = (n-1)\,c_1 \qquad \Phi_2 = (1-n)\,c_2$$

$$\Phi = \frac{1}{f'} = \Phi_1 + \Phi_2 - \Phi_1 \cdot \Phi_2 \cdot \frac{t}{n}$$

$$ffl = -\frac{\left(1 - \Phi_2 \cdot \frac{t}{n}\right)}{\Phi}$$

$$bfl = \frac{1 - \Phi_1 \cdot \frac{t}{n}}{\Phi}$$

$$d = ffl - f = \frac{\Phi_2}{\Phi} \cdot \frac{t}{n}$$

$$d' = bfl - f' = -\frac{\Phi_1}{\Phi} \cdot \frac{t}{n}$$

$$u'_2 = u_1 \qquad \Delta = y_2 - \tilde{y}_2 = -\frac{n-1}{n}\ t\ u_1$$

$$\delta = \frac{n-1}{n}\ t \qquad m = 1$$

$$\Phi = \frac{1}{f'} = (n-1)\left(\frac{1}{R_1} - \frac{1}{R_2}\right)$$

$$\mathrm{P} \equiv \mathrm{P}' \equiv \mathrm{N} \equiv \mathrm{N}' \equiv \mathrm{V}_1$$

$$\frac{1}{l'} = \frac{1}{l} + \frac{1}{f'} \qquad m = \frac{\eta'}{\eta} = \frac{l'}{l}$$

$$u' = u - \Phi\, y$$

$$y_{+1} = y + t\, u'$$

$$\Phi = \frac{1}{f'} = \Phi_1 + \Phi_2 - t\,\Phi_1\Phi_2$$

$$bfl = \frac{1 - t\,\Phi_1}{\Phi}$$

$$ffl = -\frac{(1 - \mathrm{t}\,\Phi_2)}{\Phi}$$

$$d = ffl - f = \frac{\Phi_2}{\Phi}\ t$$

$$d' = bfl - f' = -\frac{\Phi_1}{\Phi}\ t$$

			Indice di rifrazione				
Sigla	λ (nm)	Colore	NSF4	NBK7	PMMA	Acqua	Aria
h	404.7	violetto	1.807	1.530	1.507	1.343	1.000
g	435.8	violetto	1.792	1.527	1.503	1.340	1.000
F′	480.0	blu	1.777	1.523	1.498	1.338	1.000
F	486.1	blu	1.775	1.522	1.498	1.337	1.000
e	546.1	verde	1.762	1.519	1.494	1.335	1.000
d	587.6	giallo	1.755	1.517	1.492	1.333	1.000
D	589.3	giallo	1.755	1.517	1.492	1.333	1.000
C′	643.8	rosso	1.748	1.515	1.490	1.332	1.000
C	656.3	rosso	1.747	1.514	1.489	1.331	1.000
r	706.5	rosso	1.743	1.513	1.488	1.330	1.000