

## SYMBOLES

$r_{eff}$	effective reflectance
$r_1, r_2, r_{ext}$	amplitude reflectivity
$a$	groove spacing of the grating
$\theta_i$	incident angle
$\theta_m$	angle of the $m^{th}$ order diffraction
$m$	diffraction order
$\lambda$	wavelength
$D_{Littrow}, D_{Littman}$	angular dispersion
$\theta_B$	blaze angle
$\omega_g$	Gaussian beam radius
$\Delta\lambda_{FWHM}$	wavelength resolution
$\Delta\nu$	frequency bandwidth
$\mathbf{n}$	liquid crystal directors
$n_{eff}$	effective refractive index
$n_o$	ordinary refractive index
$n_e$	extraordinary refractive index
$\Delta\Phi$	phase retardation of planar-aligned LC
$k$	wave number
$d$	cell gap
$l$	cavity length
$\Delta l$	optical path difference
$\Delta f$	relative frequency shift
$f$	frequency
$N_1, N_2$	integer
$\beta$	proportional constant of LD
$\Delta I_{LD}$	change of the LD current
$\Gamma$	phase retardation of TNLC
$\rho$	azimuth angle
$\phi$	twist angle
$R(\phi)$	rotation matrix

$P, P'$	polarization state
$V_{\text{rms}}$	root mean square voltage
$T$	transmittance
$T_{\text{temp}}$	temperature
$f_{\text{lens}}$	focal length
$dx$	lateral displacement
$I, I_0$	intensity
$\alpha$	thermal expansion coefficient
$n$	refractive index
NA	numerical aperture
$f_{\text{rep}}$	repetition rate
$f_0$	offset frequency

