

FIBER NOTATION

Symbol	Identification	Units (cgs)
α	Attenuation coefficient	cm^{-1}
β	Propagation constant	cm^{-1}
β_1	$d\beta/d\omega$	s cm^{-1}
β_2	$d^2\beta/d\omega^2$	$\text{s}^2 \text{cm}^{-1}$
β_3	$d^3\beta/d\omega^3$	$\text{s}^3 \text{cm}^{-1}$
$L_{\text{eff}}(L)$	$(1 - e^{-\alpha L})/\alpha$	cm
L_D	$T_0^2/ \beta_2 $	cm
L_S	$T_0^3/ \beta_3 $	cm
L_{NL}	$(\gamma P_0)^{-1}$	cm
\mathcal{E}	Optical E field	$\text{sV/cm} (=g^{1/2}\text{s}^{-3/2})$
\mathcal{P}	Electric polarization	$\text{sV/cm} (=g^{1/2}\text{s}^{-3/2})$
$\chi^{(3)}$	3rd-order susceptibility	$(\text{sV/cm})^{-3} (=g^{-3/2}\text{s}^{9/2})$