FIBER NOTATION

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