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NOMENCLATURE

GENERAL

time	t	s
thickness (of tissue)	d	mm
volume	V	mm^3
absolute temperature	T	K
angle	$\alpha, \beta, \gamma, \zeta$	rad
solid angle	Ω	sr
molecular weight	M	g/mol
Avogadro's number	N_A	1/mol
molecular gas constant	R	J/mol·K
heat capacity	$c_{p,v}$	J/kg·K
heat conductivity	λ_c	W/m·K

OPTICAL PARAMETERS

frequency	ν	1/s
velocity of light in free space	c_0	m/s
velocity of light in medium	c	m/s
wavelength	λ	nm
beam divergence	δ	rad
Poynting vector	S	W/cm ²
radiant flux	Φ	W
irradiance	E	W/cm ²
intensity	I	W/cm ²
photon density	φ	1/cm ²
photon flux	J	1/s·cm ²
radiant exposure	H	J/cm ²
dose	D	J/cm ³
refractive index	n	
optical activity	γ	rad/mm
absorption coefficient	μ_a	1/mm
scattering coefficient	μ_s	1/mm
total attenuation coefficient	$\mu_t = \mu_a + \mu_s$	1/mm
optical depth	$d_{\text{opt}} = (\mu_s + \mu_a) \cdot d$	
transmittance	$T_{\%}$	%
reflectance	$R_{\%}$	%
albedo	$a = \mu_s / (\mu_a + \mu_s)$	
phase function	p	sr ⁻¹