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Symbols

$\alpha$, see absorptance
$\alpha$, see absorption attenuation coefficient
$\beta$, see optical thickness
$\gamma$, see attenuation coefficient
$\Delta f$, see noise equivalent bandwidth
$e$, see emissivity
$\eta$, see quantum efficiency
$\eta_a, \eta_b$, see image fill efficiency
$\eta_s$, see scanning efficiency
$\lambda$, see wavelength
$\lambda_c$, see cutoff wavelength
$v$, see frequency, optical
$\tilde{v}$, see wavenumber
$p$, see reflectance
$\sigma$, see scattering attenuation coefficient
$\sigma_r$, see surface roughness
$\sigma_\alpha$, see Stefan–Boltzmann constant
$\sigma_\gamma$, see Stefan–Boltzmann constant
$\tau$, see transmittance
$\Phi$, see flux
$\psi$, see sun geometry factor
$\omega$, see solid angle, geometric
$\Omega$, see solid angle, projected
$\Omega_r$, see field of regard
$C_\circ$, see contrast threshold
$D$, see pupil diameter
$D^*$, see specific detectivity
d$A$, see elemental area
$E$, see irradiance
$E_\lambda$, see bandgap
$f$, see electrical frequency
$f$, see focal length
$F$, see spatial view factor
$f_n$, see $f$-number
$f_r$, see bidirectional reflection distribution function
$f_{-3 \text{ dB}}$, see bandwidth, $-3 \text{ dB}$

$h$, see Planck constant
$h\nu$, see photon energy
$I$, see intensity
$I_{ph}$, see photocurrent
$I_{sat}$, see reverse-bias-saturation current
$K_\lambda$, see photopic efficacy
$k_f$, see time-bandwidth product
$k_n$, see noise equivalent bandwidth
$L$, see radiance
$M$, see exitance
$n$, see index of refraction
$P_d$, see probability of detection
$P_n$, see probability of false detection
$q$, see absolute humidity
$q$, see quanta
$R$, see responsivity
$R_V$, see meteorological range
$S$, see sensor response
$V_\lambda$, see photopic vision
$V_\lambda'$, see scotopic vision
$Z_t$, see detector preamplifier gain

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