Table 7: Material constants

Black-body radiation at the ice point	BA.2482_6	$_{(12)}$	$\mathrm{W}_u/\mathrm{m}_u^2$	
Molar volume of ideal gas	102.A553_0	$_{(12)}$	$\mathrm{m}_u^3/\mathrm{mol}_u$	(standard state)
Density of air	0.2451_8	$_{(12)}$	$\mathrm{g}_u/\mathrm{m}_u^3$	(standard state)
Speed of sound in air	337.479	$_{(12)}$	$\mathrm{m}_u/\mathrm{s}_u$	(standard state)
Density of water	108.817B_A6	$_{(12)}$	$\mathrm{g}_u/\mathrm{m}_u^3$	(maximum density)
Density of ice	B8.0	$_{(12)}$	$\mathrm{g}_u/\mathrm{m}_u^3$	(0 ℃)
Buoyancy of saltwater	6	$\times 10^{2}_{(12)}$	$\mathrm{N}_u/\mathrm{m}_u^3$	(specific gravity of 1.03)
Buoyancy of saltwater	6	$\times 10^{2}_{(12)}$	$\mathrm{P}_u/\mathrm{m}_u$	(pressure / water depth)
Ice point	169.49BA_9	$_{(12)}$	K_u	(1 atmosphere)
Boiling point of water	217.B09B_0	$_{(12)}$	K_u	(1 atmosphere)
Specific heat of water	0.6052_24	$\times 10^{4}_{(12)}$	$\mathrm{J}_u/(\mathrm{g}_u\mathrm{K}_u)$	(by the definition of calorie)
Viscosity of water	1.2A29	$\times 10^{-3}_{(12)}$	$\mathrm{P}_u\mathrm{s}_u$	(25 ℃)
Kinematic viscosity of water	1.207B	$\times 10^{-5}_{(12)}$	$\mathrm{m}_u^2/\mathrm{s}_u$	(25 ℃)
Surface tension force of water	0.BB64_8	$\times 10^{-1}_{(12)}$	$\mathrm{N}_u/\mathrm{m}_u$	(25 ℃)
Enthalpy of the formation of water	1.4500_1	$\times 10^{8}_{(12)}$	$\mathrm{J}_u/\mathrm{mol}_u$	(25 ℃)
Gibbs energy of the formation of water	1.1757_B	$\times 10^{8}_{(12)}$	$\mathrm{J}_u/\mathrm{mol}_u$	(25 ℃)
Maximum sensitivity light wavelength	611	$\times 10^{-8}_{(12)}$	$\mathrm{m}_u/\Omega_{\,1}$	(by the definition of candela)
Maximum sensitivity photon energy	1.01	$_{(12)}$	$e\mathrm{A}_u\Omega_n/\mathrm{mol}_n$	(by the definition of candela)
Maximum sensitivity photon energy	1.05	$\times 10^{-14}_{(12)}$	$\mathrm{J}_u/\mathrm{mol}_n$	