		Formula	Values
Out[*]=	Wavelength	λ	460.862 meters nano
	Linewidth	Г	$\frac{2.01 \times 10^8}{\text{seconds}}$, 2 π (31.9901 Hz Mega)
	Frequency	$\omega = 2 \pi \nu$	$\frac{4.08723 \times 10^{15} \text{ radians}}{\text{seconds}}$, $2 \pi (650.503 \text{ Hz Tera})$
	Recoil Velocity	$V = \frac{\hbar k}{m}$	0.00984961 meters seconds 9.84961 meters micro milli seconds
	Lifetime	$\tau = \frac{1}{\Gamma}$	4.97512 nano seconds
	Saturation intensity	$Isat = \frac{\hbar \omega \Gamma}{2 \sigma \theta} = \frac{2 \pi^2 \hbar c \Gamma}{3 \lambda^3}$	42.7158 milli Watts centi ² meters ²
	Optical cross–section	$\sigma 0 = \frac{3 \lambda^2}{2 \pi} = 6 \pi \lambda^2$	0.101411 meters ² micro ²
	Recoil Energy	$\frac{Erec}{\hbar} = \omega_{r} = \frac{\hbar k^2}{2 m}$	67.1426 Hz Kilo, 2 π (10.6861 Hz Kilo)
	Recoil Ratio	$\frac{\omega_{\mathbf{r}}}{\Gamma}$	0.000334043
	Capture Velocity	$V_{c} = \frac{\Gamma}{k} = \frac{\Gamma \lambda}{2 \pi}$	14.743 meters seconds
	Doppler temperature	$T_D = \frac{\hbar \Gamma}{2 \text{ KB}}$	767.642 Kelvin micro
	Recoil Temperature	$T_r = \frac{2 \omega r \hbar}{KB}$	1.0257 Kelvin micro