International System of Units (SI)

The International System of Units, the SI, is the system of units in which

- **the unperturbed ground state hyperfine transition frequency of the caesium 133 atom $\Delta\nu_{Cs}$ is 9 192 631 770 Hz,**
- **the speed of light in vacuum c is 299 792 458 m/s,**
- **the Planck constant h is $6.626\,070\,15 \times 10^{-34}$ J s,**
- **the elementary charge e is $1.602\,176\,634 \times 10^{-19}$ C,**
- **the Boltzmann constant k is $1.380\,649 \times 10^{-23}$ J/K,**
- **the Avogadro constant N_A is $6.022\,140\,76 \times 10^{23}$ mol^{-1},**
- **the luminous efficacy of monochromatic radiation of frequency 540×10^{12} Hz, K_{cd}, is 683 lm/W,**