

Bohr radius

Atomic fundamental physical constant used as atomic unit of length:

$$a_0 = \frac{4 \pi \varepsilon_0 \hbar^2}{m_e e^2} = 5.291\,772\,49\,(24) \times 10^{-11} \text{ m}$$

where e the elementary charge, \hbar the Planck constant divided by 2π and m_e the electron rest mass.

Source:

CODATA Bull. 1986, 63, 1