

*Wave-Particle Duality  
for  
Matter and Light*

*A wave is spatially delocalized*



*A particle is spatially localized*



*These incompatible concepts are united by the deBroglie wave equation with the wave property (wavelength) on the left and the particle property (momentum) on the right in a reciprocal relationship mediated by the ubiquitous Planck's constant.*

$$\lambda = \frac{h}{mv}$$