# Relationship Between Energy, Momentum, Wavelength

Momentum (p) to classical kinetic energy (E):

$$E = \frac{p^2}{2m}$$

Energy to wavelength (De Broglie) [1]:

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

## Bibliography

[1] "The Schrödinger Equation." [Online]. Available: https://math. libretexts.org/Bookshelves/Differential_Equations/Differential_ Equations_(Chasnov)/09%3A_Partial_Differential_Equations/ 9.08%3A_The_Schrodinger_Equation