

Answer on Question #76280-Physics-Quantum Mechanics

How can we calculate the value of normalization constant when the electron wave function is given with the range?

Answer

We need to calculate the integral

$$\int_{x_{min}}^{x_{max}} \psi^*(x)\psi(x)dx \equiv 1$$

The left side of the equation will be proportional to the square of normalization constant.

Answer provided by <https://www.AssignmentExpert.com>