

The following integral signifies what? (choose all that apply)

$$\int \psi_1^*(\mathbf{r}, t) \psi_2(\mathbf{r}, t) d\tau = 0$$

- a. The normalization of the function
- b. The orthogonality of two functions
- c. The lack of overlap between two functions
- d. The probability of finding the particle between a set of limits
- e. The expectation value for an observable
- f. The standard deviation of an expectation value for an observable
- g. The variance in an expectation value for an observable