

# SELF-CONJUGATE

*Meaning: Self-conjugate refers to an operator or function that remains invariant or unchanged under specific transformations or reversals.*

1. A self-conjugate operator exhibits symmetry, meaning its action on a vector does not change when the vector is reversed.
2. In mathematics, a self-conjugate function is one that remains unchanged under certain transformations.
3. The concept of a self-conjugate matrix is crucial in understanding various properties of linear transformations.
4. Researchers explored the implications of self-conjugate elements in quantum mechanics and their effects on particle behavior.
5. The theorem states that every self-conjugate form can be represented in a specific canonical form, simplifying many calculations.

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*Source: [sentences.whatistheurl.com](https://sentences.whatistheurl.com)*

*<https://sentences.whatistheurl.com/sentence/self-conjugate>*