

Custom macros

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Expectation value

$$\text{\$}\backslash\text{expval}\{a\}\text{\$} \rightarrow \langle a \rangle$$

$$\text{\$\$}\backslash\text{expval}\{\diff{f}{t}\}\text{\$\$}$$

$$\rightarrow \left\langle \frac{df}{dt} \right\rangle$$

Commutation

Commutator

$$\text{\$}\backslash\text{comm}\{\op{x}\}\{\op{p}\} = i\hbar \text{\$} \rightarrow [\hat{x}, \hat{p}] = i\hbar$$

Anticommutator

$$\text{\$\$}\backslash\text{acomm}\{\op{c}\{i\}\}\{\hc{c}\{j\}\} = \delta_{\alpha, \beta} \text{\$\$}$$

$$\rightarrow \{\hat{c}_i, \hat{c}_j^\dagger\} = \delta_{\alpha, \beta}$$