

1 Relations

Relations: $a < b < c$

Relations: $> a$

Relations: $a >$

2 Quantum Mechanics Notations

Expectation: $\langle a \rangle$

Bra: $\langle a|$

Bra: $\langle a, b, c|$

Bra: $\langle \phi = 0|$

Ket: $|b \rangle$

Bracket $\langle a|b \rangle$

Also $\langle a|f|b \rangle$

3 Absolute Values

abs $|a|$

norm $||a||$

expr $|a| - |b|$

nested $||a| - |b||$

non-nested $a|a| + b|b| + c|c|$

4 Mixtures that look like QM

abs and rel: $a < c|c|$

worse $|a| < \min \left| z \pm (z^2 - 1)^{1/2} \right|$