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Different pictures of QM
are related to each other by
time-dependent unitary equivalence
 $\hat{W}(t)$

⇒ all overlaps $\langle \psi | \phi \rangle$
all matrix elements $\langle \psi | \hat{A} | \phi \rangle$ } are same
in all pictures

Schrödinger picture

states $|\psi\rangle_s$ evolve with time

$$i\hbar \frac{d}{dt} |\psi\rangle_s(t) = \hat{H} |\psi\rangle_s(t)$$

$$\text{or } \hat{H}(t) |\psi\rangle_s(t)$$

most operators are time independent
same $\hat{A}(t)$ @ all t.

Exception: inherent time dependence
due to external forces.