Coordinate System of the Quantum Mechanics for a Point Particle

$\Psi : \mathbb{R}^4 \longrightarrow \mathbb{C}$ $\cdots\cdots\cdots$ **a function**

M_q

$M_q(\Psi)$ $\cdots\cdots\cdots$ **a history**

$\forall t; \big[$ **The quantum state of the particle is**
$\text{state}(\Psi(\square, t))$
at the time $\text{clock}(t).\big]$

$\psi : \mathbb{R}^3 \longrightarrow \mathbb{C}$ $\xrightarrow{\textbf{state}}$ $\text{state}(\psi)$

a function   **a quantum state**

$\Psi(\square, t) : \mathbb{R}^3 \longrightarrow \mathbb{C}$

$[\Psi(\square, t)](x, y, z) = \Psi(x, y, z, t)$