Coordinate System of the Classical Mechanics for a Point Particle

\[ \chi : \mathbb{R} \rightarrow \mathbb{R}^3 \] ······· a function

\[ t \xrightarrow{\chi} \chi(t) = (\chi^1(t), \chi^2(t), \chi^3(t)) \]

\[ M_c(\chi) \] ······· a history

\[ \forall t; \]

\[ \begin{array}{l}
\text{The position of the particle is } D(\chi(t)) \\
\text{at the time clock}(t).
\end{array} \]