Coordinate System of the Classical Mechanics for a Point Particle

$$\boxed{\chi : R \longmapsto R^3} \cdots\cdots \text{ a function}$$

$$t \xrightarrow{\quad \chi \quad} \chi(t) =$$
$$(\chi^1(t), \chi^2(t), \chi^3(t))$$

$$M_c$$

$$\boxed{M_c(\chi)} \cdots\cdots \text{ a history}$$

$$\forall t;$$

$$\Big[\text{The position of the particle is } D(\chi(t))$$
$$\text{at the time } clock(t). \Big]$$