「数理科学」2016 年 7 月号
藤川和男著「ファインマン図，反粒子，CPT の破れ」正誤表

P.37

(18) 式：

$$\text{(誤) } (\Delta s)^2 = (t_2 - t_1) - (\vec{x}_2 - \vec{x}_1)^2$$

$$\longrightarrow \text{(正) } (\Delta s)^2 = (t_2 - t_1)^2 - (\vec{x}_2 - \vec{x}_1)^2$$

(21) 式：

$$\begin{aligned}\text{(誤) } (\Delta s)^2 &= (t_2 - t_1) - (-\vec{x}_2 + \vec{x}_1)^2 \\ &= (t_2 - t_1) - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$

$$\begin{aligned}\longrightarrow \text{(正) } (\Delta s)^2 &= (t_2 - t_1)^2 - (-\vec{x}_2 + \vec{x}_1)^2 \\ &= (t_2 - t_1)^2 - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$

(23) 式：

$$\begin{aligned}\text{(誤) } (\Delta s)^2 &= (-t_2 + t_1) - (\vec{x}_2 - \vec{x}_1)^2 \\ &= (t_2 - t_1) - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$

$$\begin{aligned}\longrightarrow \text{(正) } (\Delta s)^2 &= (-t_2 + t_1)^2 - (\vec{x}_2 - \vec{x}_1)^2 \\ &= (t_2 - t_1)^2 - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$

(23) 式：

$$\begin{aligned}\text{(誤) } (\Delta s)^2 &= (-t_2 + t_1) - (-\vec{x}_2 + \vec{x}_1)^2 \\ &= (t_2 - t_1) - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$

$$\begin{aligned}\longrightarrow \text{(正) } (\Delta s)^2 &= (-t_2 + t_1)^2 - (-\vec{x}_2 + \vec{x}_1)^2 \\ &= (t_2 - t_1)^2 - (\vec{x}_2 - \vec{x}_1)^2\end{aligned}$$