

$$A \subset r \upharpoonright s^n$$

$$A: r < t_1 < \dots < t_n < s$$

$$t_0 = r: \quad t_{n+1} = s$$

$$\upharpoonright = \begin{matrix} 1 \\ \vdots \\ n \end{matrix} \in {}_n \mathbb{R}$$

$${}_0 \upharpoonright = x: \quad {}_{n+1} \upharpoonright = y$$

$$r|s \xrightarrow[\text{path}]{\upharpoonright} \mathbb{R}: \quad \int_{dt}^{r|s} \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V$$

$$\int_{d\upharpoonright}^{x|y} \exp \frac{-1}{\hbar} \int_{dt}^{r|s} \left( \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V \right) \underset{A}{\simeq} \int_{d\upharpoonright}^{\mathbb{R}_n} \exp \frac{-1}{\hbar} \sum_j^{0|n} \left( \frac{m}{2} \frac{{\upharpoonright_j^2}{\upharpoonright_j}}{t_{j+} - t_j} + \overline{t_{j+} - t_j} {}^{j+1} V \right)$$

$$r|s \xrightarrow[\text{cl path}]{\upharpoonright} \mathbb{R}: \quad m_{t^{\upharpoonright}} = {}^t \upharpoonright V$$

$$\int_{dt}^{r|s} \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V$$

$$r|s \xrightarrow[\text{path}]{\upharpoonright} \mathbb{R}: \quad {}^t \upharpoonright = {}^t \upharpoonright - {}^t \upharpoonright$$

$$\frac{\int_{d\upharpoonright}^{x|y} \exp \frac{-1}{\hbar} \int_{dt}^{r|s} \left( \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V \right)}{\exp \frac{-1}{\hbar} \int_{dt}^{r|s} \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V} = \int_{d\upharpoonright}^{0|0} \exp \frac{-1}{\hbar} \int_{dt}^{r|s} \left( \frac{m}{2} \frac{\upharpoonright^2}{t^{\upharpoonright}} + {}^t \upharpoonright V \right)$$