$$\int_{d\daleth}^{0|0} \exp \frac{i}{\hbar} \int_{dt}^{r|s} \left(\frac{m}{2}\, {}^{t}\underline{\daleth}^{2} - \frac{m}{2} \omega^{2}\, {}^{t}\daleth^{2} \right) = \sqrt{\frac{m\omega}{2\pi i\hbar \sin \omega\,(s-r)}}$$

$$r|s \xrightarrow[\text{cl path}]{\daleth} \mathbb{R}\colon \quad {}^{t}\underline{\underline{\daleth}} = -\,\omega^{2}\, {}^{t}\daleth$$

$${}^{t}\daleth = \frac{\sqrt{x^{2}+y^{2}-2xy\cos \omega\,(s-r)}}{\sin \omega\,(s-r)} \sin\left(\omega t + \overset{-1}{\tan} \frac{x \sin \omega s - y \sin \omega t}{y \cos \omega r - x \cos \omega s} \right)$$

$$\int_{dt}^{r|s} \frac{m}{2}\, {}^{t}\underline{\daleth}^{2} - \frac{m}{2} \omega^{2}\, {}^{t}\daleth^{2} = \frac{m\omega}{2} \frac{\overbrace{x^{2}+y^{2}} \cos \omega\,(s-r) - 2xy}{\sin \omega\,(s-r)}$$