$$\therefore \rho = \frac{1}{4} \csc\phi \cot\phi$$

$$\begin{aligned} x &= x_0 + t \,,\, y = y_0 - t \,, z = c \\ \text{or } x &= x_0 - t \,,\, y = y_0 + t ,\, z = c \end{aligned}$$

$$(-\frac{1}{2}, \frac{1}{2}, 3)$$

$$=\frac{27}{34\sqrt{2}}\ (=\frac{27}{68}\sqrt{2}\ =\frac{459}{1156}\sqrt{2}\,)$$

5.(1)

$$f(x,y)$$
는 원점에서 연속이다.

0

0.031

$$k = 2$$