2025 april 14

Monday, April 14, 2025 12:57

$$\frac{x'}{f} = -\frac{x}{z}, \quad \frac{y'}{f} = -\frac{y}{z}$$

$$x_1 = az + c_1, \quad y_1 = bz + d_1$$

$$\left(\frac{x'}{f} = -\frac{az + c_1}{z}, \quad \frac{y'}{f} = -\frac{bz + d_1}{z} \right.$$

as $z \to \infty$

$$\left(\frac{x'}{f} = -a, \quad \frac{y'}{f} = -b \right.$$

$50x + z = -7$

$$x = -\frac{1}{50}z - \frac{7}{50}$$

$$\frac{x'}{f} = +\frac{1}{50}, \quad \frac{y'}{f} = -\frac{1}{50}$$

$f = 0.02$

$$x' = +\frac{0.02}{50}, \quad y' = -\frac{0.02}{50}$$