

$$p_{x2} = \exp(-a)p_{x1} ,$$

$$p_{y2} = \exp(a)p_{y1} ,$$

$$x_2 = \exp(a)x_1 + bp_{x1} ,$$

$$y_2 = \exp(-a)y_1 - bp_{y1} ,$$

$$z_2 = z_1 - (ax_1 + b(1 + a/2)p_{x2})p_{x1} + (ay_1 + b(1 - a/2)p_{y2})p_{y1} ,$$

where

$$a = -K_1 F_1 \frac{|F_1|}{24p_1 L} ,$$

$$b = \frac{K_1 F_2}{L} .$$