

$$(1) \quad y > p \sin(rx) + qx$$

$$(2) \quad r_a y = q_c \cos(rx) + \frac{q_c^2}{r_b y}$$

$$(3) \quad p_a r^2 = \frac{q^2}{y_a} + qr - \frac{p_1}{x^2} \tan\left(\frac{q}{r y_c}\right)$$

$$(4) \quad x_b y = px - \left(1 + \frac{y r_b}{q_b}\right) \frac{p^3 r^2}{q_b^2}$$

$$(5) \quad p \frac{dy}{dx} < \frac{q_a^2}{r_b} - q_a y$$

$$(6) \quad y_b \frac{dq}{dr} = q_c^2 + y_b^2 r_c^2$$

$$(7) \quad r + \frac{q_b}{y_c} > \frac{x_a}{x_b^2}$$

$$(8) \quad x_a y_b = rx^2 - \frac{p_b^2}{q}$$

$$(9) \quad x_c \cos\left(\frac{q_a x}{y_b}\right) = \frac{1}{r_b} \sin\left(\frac{\pi}{2} - \frac{q_a}{r_c}\right)$$