$x_2 = x_1 + y_1^2 (1 - \frac{y_1^2}{12\rho_b^2}) \frac{p_1}{2\rho_b (p_1^2 - p_{x_1}^2)^{3/2}},$

 $p_{y2} = p_{y1} - p_{x1} \left(1 - \frac{y_1^2}{6\rho_b^2}\right) \frac{y_1}{p_1 \rho_b \sqrt{p_1^2 - p_{x1}^2}},$

 $z_2 = z_1 - p_{x1}y_1^2 \left(1 - \frac{y_1^2}{12\rho_b^2}\right) \frac{p_1}{2\rho_b(p_1^2 - p_{x1}^2)^{3/2}}.$

(96)