

$$x_2 = x_1 + \Delta x_{fr} \frac{p_1 - p_0}{p_1} \, ,$$

$$p_{y2} = p_{y1} + y_1 \frac{\Delta y_{fr} - \Delta y_{fra} y_1^2}{p_1^2} \, ,$$

$$z_2 = z_1 + \frac{\Delta x_{fr} p_{x1} + (\Delta y_{fr} - \Delta y_{fra} y_1^2/2) y_1^2/(2 p_1)}{p_1} \, ,$$

$$\text{where } \Delta x_{fr} \equiv \frac{\mathbf{F1}^2}{24 \rho_b} \, ,$$

$$\Delta y_{fr} \equiv \frac{\mathbf{F1}}{6 \rho_b^2} \, ,$$

$$\Delta y_{fra} \equiv \frac{2}{3} \frac{1}{\mathbf{F1} \rho_b^2} \, ,$$

$$\rho_b \equiv \frac{L'}{\mathbf{ANGLE} + \mathbf{K0}} \, ,$$

$$L' \equiv \mathbf{L} - \frac{(\mathbf{ANGLE} \, \mathbf{F1})^2}{24 \mathbf{L}} \\ \times \frac{\sin((\mathbf{ANGLE}(1 - \mathbf{E1} - \mathbf{E2}) - \mathbf{AE1} - \mathbf{AE2})/2)}{\sin(\mathbf{ANGLE}/2)} \, .$$