

$$K := \frac{4 \cdot Q}{\pi \cdot d^2} \cdot \frac{\mu}{\frac{dP}{L}}$$

$$\frac{4 Q \mu L}{\pi d^2 dP} \tag{1}$$

$$dK = \sqrt{(\text{diff}(K, Q) \cdot dQ)^2 + (\text{diff}(K, \mu) \cdot d\mu)^2 + (\text{diff}(K, dP) \cdot ddP)^2 + (\text{diff}(K, L) \cdot dL)^2}$$

$$dK = 4 \sqrt{\frac{\mu^2 L^2 dQ^2}{\pi^2 d^4 dP^2} + \frac{Q^2 L^2 d\mu^2}{\pi^2 d^4 dP^2} + \frac{Q^2 \mu^2 L^2 ddP^2}{\pi^2 d^4 dP^4} + \frac{Q^2 \mu^2 dL^2}{\pi^2 d^4 dP^2}} \tag{2}$$