

> restart

$$\begin{aligned} > \epsilon := (1 - P) \cdot cI \cdot [1 - F] + P \cdot c2 \cdot \theta \cdot \left( \frac{b}{2} + \frac{2 \cdot \pi}{4} \right) \cdot F \cdot \left( \frac{b}{2} + \frac{\sqrt{2 \cdot \pi}}{4} \right) \\ & \quad \epsilon := (1 - P) \cdot cI \cdot [1 - F] + P \cdot c2 \cdot \theta \cdot \left( \frac{1}{2} b + \frac{1}{2} \pi \right) F \left( \frac{1}{2} b + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) \end{aligned} \quad (1)$$

$$\begin{aligned} > F := \sqrt{\frac{\pi}{2}} \left( \theta \cdot \operatorname{erf} \left( \frac{b}{\sqrt{2} \theta} \right) + \frac{1}{\sqrt{\frac{1}{\theta^2}}} \right); cI := 1.25 \cdot 10^5; c2 := 15; \theta := 2000; P := 0.25; \\ & \quad F := \frac{1}{2} \sqrt{2} \sqrt{\pi} \left( \theta \operatorname{erf} \left( \frac{1}{2} \frac{b \sqrt{2}}{\theta} \right) + \frac{1}{\sqrt{\frac{1}{\theta^2}}} \right) \end{aligned} \quad (2)$$

$$\begin{aligned} > \epsilon \\ & \left[ 93750.00000 - 46875.00000 \sqrt{2} \sqrt{\pi} \left( 2000 \operatorname{erf} \left( \frac{1}{4000} b \sqrt{2} \right) + \sqrt{4000000} \right) \right] \\ & \quad + 3750.000000 \left( \frac{1}{2} b + \frac{1}{2} \pi \right) \sqrt{2} \sqrt{\pi} \left( 2000 \operatorname{erf} \left( \frac{1}{4000} b \sqrt{2} \right) + \sqrt{4000000} \right) \left( \frac{1}{2} b \right. \\ & \quad \left. + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) \end{aligned} \quad (3)$$

$$\begin{aligned} > \frac{\partial}{\partial b} \epsilon \\ & \left[ -93750.00000 e^{-\frac{1}{8000000} b^2} \right] + 1875.000000 \sqrt{2} \sqrt{\pi} \left( 2000 \operatorname{erf} \left( \frac{1}{4000} b \sqrt{2} \right) \right. \\ & \quad \left. + \sqrt{4000000} \right) \left( \frac{1}{2} b + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) + 7500.000000 \left( \frac{1}{2} b \right. \\ & \quad \left. + \frac{1}{2} \pi \right) e^{-\frac{1}{8000000} b^2} \left( \frac{1}{2} b + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) + 1875.000000 \left( \frac{1}{2} b \right. \\ & \quad \left. + \frac{1}{2} \pi \right) \sqrt{2} \sqrt{\pi} \left( 2000 \operatorname{erf} \left( \frac{1}{4000} b \sqrt{2} \right) + \sqrt{4000000} \right) \end{aligned} \quad (4)$$

$$\begin{aligned} > \frac{\partial}{\partial b} \frac{\partial}{\partial b} \epsilon \\ & \left[ 0.02343750000 b e^{-\frac{1}{8000000} b^2} \right] + 7500.000000 e^{-\frac{1}{8000000} b^2} \left( \frac{1}{2} b + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) \\ & \quad + 1875.000000 \sqrt{2} \sqrt{\pi} \left( 2000 \operatorname{erf} \left( \frac{1}{4000} b \sqrt{2} \right) + \sqrt{4000000} \right) \\ & \quad - 0.001875000000 \left( \frac{1}{2} b + \frac{1}{2} \pi \right) b e^{-\frac{1}{8000000} b^2} \left( \frac{1}{2} b + \frac{1}{4} \sqrt{2} \sqrt{\pi} \right) \\ & \quad + 7500.000000 \left( \frac{1}{2} b + \frac{1}{2} \pi \right) e^{-\frac{1}{8000000} b^2} \end{aligned} \quad (5)$$

