

$$\left\{ \left\{ \Phi(x) \left(\frac{3}{x^2} - \frac{1}{x} - \varepsilon \right) - \frac{\Phi''(x)}{2} = 0, \Phi(3.009054408432859581683672 \times 10^{-6}) = 0, \right. \right.$$

$$\left. \Phi'(3.009054408432859581683672 \times 10^{-6}) = 1000, \text{WhenEvent}[\Phi(x) = 0, \text{AppendTo}[\text{zeros}, x]] \right\},$$

$$\left. \left(\frac{3}{x^2} - \frac{1}{x} \right) \Phi(x) - \frac{\Phi''(x)}{2} \right\}$$