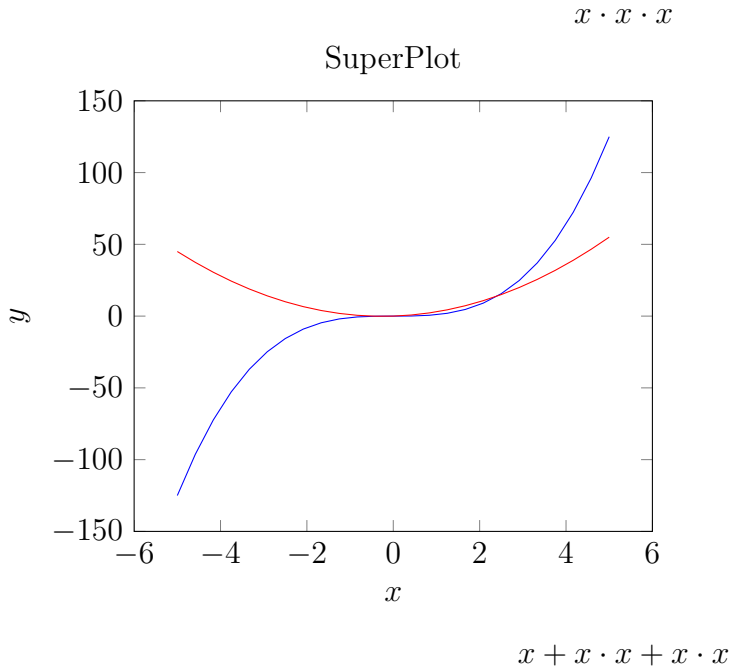


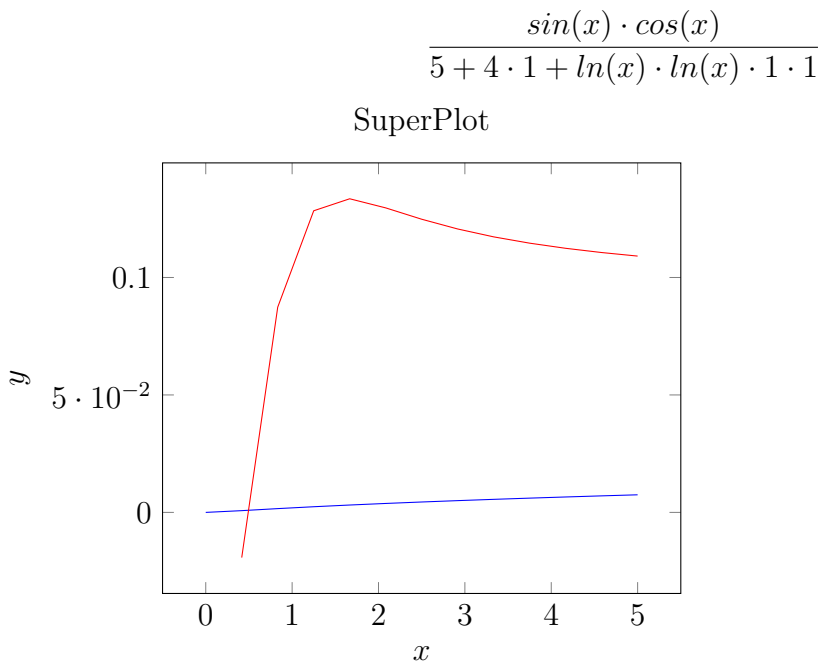
1 introductory work to the Minecraft clan ”Matanists”

1.1 differentiate expression

Solution



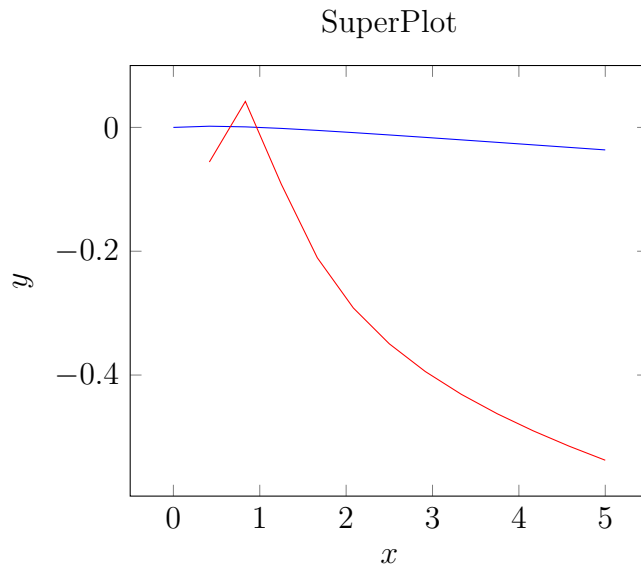
1.2 differentiate expression



$$\frac{A0 - A1}{A2}$$
$$A0 = \cos(x) \cdot \cos(x) + (-1) \cdot \sin(x) \cdot \sin(x) \cdot 9 + \ln(x) \cdot \ln(x)$$
$$A1 = \sin(x) \cdot \cos(x) \cdot \frac{1}{x} \cdot \ln(x) + \frac{1}{x} \cdot \ln(x)$$
$$A2 = 9 + \ln(x) \cdot \ln(x) \cdot 9 + \ln(x) \cdot \ln(x)$$

1.3 differentiate expression

$$\frac{\frac{\sin(x) \cdot \cos(x)}{5+4 \cdot 1+\ln(x) \cdot \ln(x) \cdot 1 \cdot 1}}{\cos(x)} \cdot \ln\left(\frac{\frac{\cos(x)}{x}}{x}\right)$$



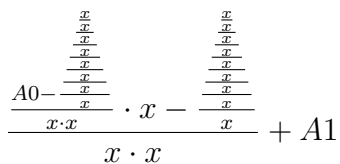
$$A0 \cdot \ln\left(\frac{\frac{\cos(x)}{x}}{x}\right) + \frac{A1}{x \cdot x} \cdot \frac{1}{\frac{\frac{\cos(x)}{x}}{x}} \cdot \frac{\frac{\sin(x) \cdot \cos(x)}{9+\ln(x) \cdot \ln(x)}}{\cos(x)}$$

$$A0 = \frac{A2 \cdot \cos(x) - A3}{\cos(x) \cdot \cos(x)}$$

$$A3 = \frac{\sin(x) \cdot \cos(x)}{9+\ln(x) \cdot \ln(x)} \cdot (-1) \cdot \sin(x)$$

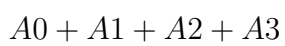
1.4 differentiate expression

$$\frac{\frac{\frac{x}{x}}{x} \cdot \frac{\frac{\cos(x)}{\sin(x)}}{\frac{\cos(x)}{\ln(x)}}}{x} + \frac{\cos(x)}{\sin(x)}$$



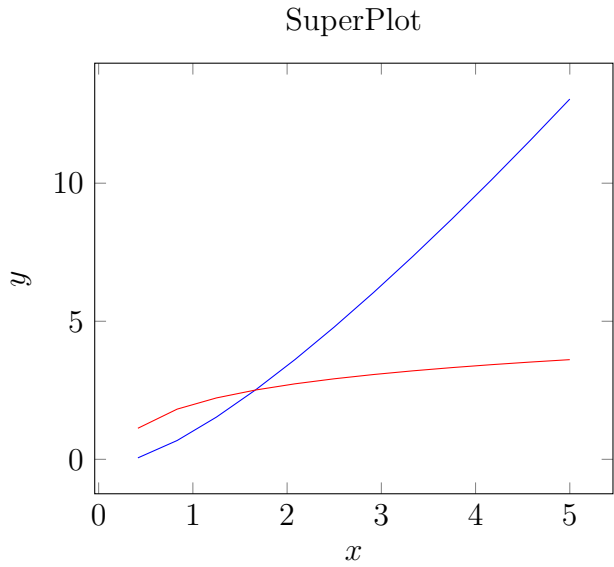
$$A0 = \frac{\frac{\frac{\frac{\frac{\frac{x}{x}}{x}}{x}}{x}}{x}}{x} \cdot x$$

$$A1 = \frac{A3}{\cos(x) \cdot \cos(x)} \cdot \sin(x) - \frac{\frac{\cos(x)}{\sin(x)} \cdot \frac{\cos(x)}{\ln(x)}}{\sin(x) \cdot \sin(x)} \cdot \cos(x)$$

$$\sin(x) \cdot \ln(x) \cdot \cos(x) + \sin(x) \cdot \ln(x) \cdot \cos(x) + \sin(x) \cdot \ln(x) \cdot \cos(x) + \sin(x) \cdot \ln(x) \cdot \cos(x) + \sin(x) \cdot \ln(x) \cdot \cos(x)$$


$$\begin{aligned}
 A0 &= A4 + A5 + A6 \\
 A5 &= \cos(x) \cdot \ln(x) + \frac{1}{x} \cdot \sin(x) \cdot \cos(x) + (-1) \cdot \sin(x) \cdot \sin(x) \cdot \ln(x) \\
 A6 &= \cos(x) \cdot \ln(x) + \frac{1}{x} \cdot \sin(x) \cdot \cos(x) + (-1) \cdot \sin(x) \cdot \sin(x) \cdot \ln(x) \\
 A3 &= \cos(x) \cdot \ln(x) + \frac{1}{x} \cdot \sin(x) \cdot \cos(x) + (-1) \cdot \sin(x) \cdot \sin(x) \cdot \ln(x) \\
 \text{sfdjksdfjsd}
 \end{aligned}$$

$$x + x \cdot \ln(x)$$



$$1 + \ln(x) + \frac{1}{x} \cdot x$$