Math Differentiator

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Annotation

This is auto-generated by Differentiator document. Don't try to change .tex file directly.

Original expression

$$\left(3{\cdot}x^2\right)^{\frac{1}{2}} + \sin\left(\ln\cos\left(x^2\right)\right)$$

After differentiation

$$\left(0{\cdot}x^2 + 3{\cdot}1{\cdot}2{\cdot}x^{2-1}\right){\cdot}0.5{\cdot}\left(3{\cdot}x^2\right)^{0.5-1} + \cos\left(\ln\cos\left(x^2\right)\right){\cdot}\frac{-1{\cdot}\sin\left(x^2\right){\cdot}1{\cdot}2{\cdot}x^{2-1}}{\cos\left(x^2\right)}$$

After simplification

$$3{\cdot}2{\cdot}x{\cdot}0.5{\cdot}\left(3{\cdot}x^2\right)^{-0.5} + \cos\left(\ln\cos\left(x^2\right)\right){\cdot}\frac{-1{\cdot}\sin\left(x^2\right){\cdot}2{\cdot}x}{\cos\left(x^2\right)}$$