



derivative

Examples

Random

Assuming "derivative" refers to a computation | Use as a general topic or referring to a mathematical definition or a word instead

■ function to differentiate: $x^3 \sin x \tan x$

Also include: differentiation variable

Derivative:

Step-by-step solution

$$\frac{d}{dx} (x^3 \sin(x) \tan(x)) = x^3 (\cos(x) \tan(x) + \sin(x) \sec^2(x)) + 3 x^2 \sin(x) \tan(x)$$

 $\sec(x)$ is the secant function

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Related Queries:

= series of $x^3 \sin(x) \tan(x)$ at $x = 0$ = $x^3 \sin(x) \tan(x)$ = $d^3/dx^3 x^3 \sin(x) \tan(x)$ = $d/dx (x^3 \sin(x) \tan(x))^4 (x^3 \sin(x) \tan(x))$ [About](#) [Pro](#) [Products](#) [Mobile Apps](#) [Business Solutions](#) [For Developers](#) [Resources & Tools](#)[Blog](#) [Community](#) [Participate](#) [Contact](#) [Connect](#)© 2015 Wolfram Alpha LLC—A Wolfram Research Company [Terms](#) [Privacy Policy](#)