

Teilor

December 13, 2021

Default equation : $\tan(x)$

0 Derivative: $\tan(x)$

1 Derivative: $\frac{(1.000)}{(\cos(x)^{2.000})}$

2 Derivative: $\frac{(2.000 * \sin(x) * \cos(x))}{(\cos(x)^{4.000})}$

3 Derivative: $\frac{(2.000 * (\cos(x) * \cos(x) + -1.000 * \sin(x) * \sin(x)) * \cos(x)^{4.000} - -8.000 * \sin(x) * \cos(x)^{3.000} * \sin(x) * \cos(x))}{(\cos(x)^{8.000})}$

4 Derivative: $\frac{(\cos(x)^{8.000} * (2.000 * (\cos(x)^{4.000} * (-1.000 * \sin(x) * \cos(x) + -1.000 * \sin(x) * \cos(x) + -1.000 * (\cos(x) * \sin(x) + \cos(x) * \sin(x)))) + -4.000 * \sin(x) * \cos(x)^{4.000})}{(\cos(x)^{12.000})}$

5 Derivative: $\frac{(\cos(x)^{16.000} * (-8.000 * \sin(x) * \cos(x)^{7.000} * (2.000 * (\cos(x)^{4.000} * (-1.000 * \sin(x) * \cos(x) + -1.000 * \sin(x) * \cos(x) + -1.000 * (\cos(x) * \sin(x) + \cos(x) * \sin(x)))) + -4.000 * \sin(x) * \cos(x)^{4.000})}{(\cos(x)^{20.000})}$

$+1.000 * x + 0.333 * x^3 + 0.133 * x^5 + o(x^5)$