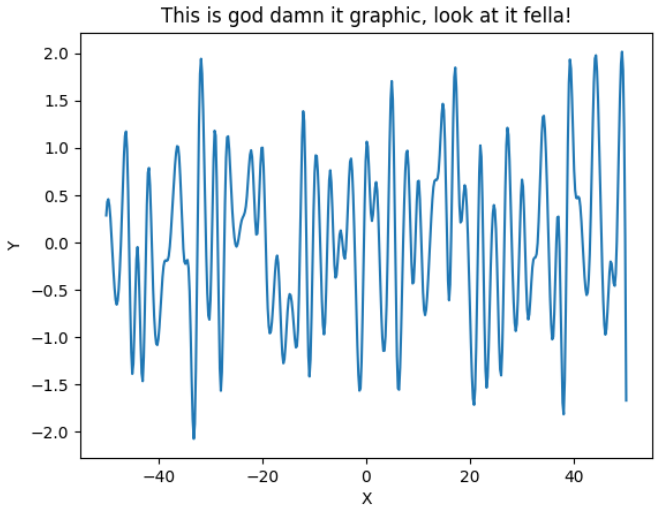
Wild wild west derivative counter

Dodo

November 2022

Welcome to derivative calculator fella, let's have a look at ya. God, what da hell is dis shit, fella? Ok, ok, let's calculate this bullshit.

♣ ♣ ♣



Alright fella, let's look wat we got:

$$sin(X^5) + (cos(10 \cdot X))^{(3)}$$

♣ ♣ ♣

With the power of gods, let's write the following:

$$0 \cdot X + 10 \cdot 1$$

♣ ♣ ♣

I smacked a damn big cockroach yesterday fella, this was left on my shoe:

$$((-1) \cdot (sin(10 \cdot X))) \cdot (10)$$

♣ ♣ ♣

Don't distract fella, I don't know how to count

$$((3) \cdot ((cos(10 \cdot X))^{(2)})) \cdot (((-1) \cdot (sin(10 \cdot X))) \cdot (10))$$

♣ ♣ ♣

Oh come on, my wife is pregnant 12th time in a row.

$$((5) \cdot (X^4)) \cdot (1)$$

♣ ♣ ♣

Can you understand it by yourself, i must go get some beer, fella:

$$(cos(X^5)) \cdot (((5) \cdot (X^4)) \cdot (1))$$

♣ ♣ ♣

...

$$(cos(X^5)) \cdot (((5) \cdot (X^4)) \cdot (1)) + ((3) \cdot ((cos(10 \cdot X))^{(2)})) \cdot (((-1) \cdot (sin(10 \cdot X))) \cdot (10))$$

♣ ♣ ♣

Here is whach you got, fella. Now let's drink some whiskey and shoot niggers.

$$(cos(X^5)) \cdot (((5) \cdot (X^4)) \cdot (1)) + ((3) \cdot ((cos(10 \cdot X))^{(2)})) \cdot (((-1) \cdot (sin(10 \cdot X))) \cdot (10))$$

♣ ♣ ♣

Alright fella, let's make this shit called Macloren,there will be only 3 steps, cause i don't know how to count more.Basicly the main formula will look like that

$$f(x) = f(0) + \frac{f^{(1)}(0)}{1!} \cdot X + \frac{f^{(2)}(0)}{2!} \cdot X + \frac{f^{(3)}(0)}{3!} \cdot X + ...$$

$$f^{(0)}(0) = 1$$

$$f^{(1)}(0) = 0$$

$$f^{(2)}(0) = -300$$

$$f^{(3)}(0) = 0$$

The solution is pretty simple and you definetely can do it **yourself**