

CrInGeCrInGe Production. Super cringe introduction here:
 Let's calculate smth with expression given: $f(x, y, z) =$

$$\frac{x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}}{\ln \arctan z}$$

Firstly, let's insert all constants and simplify it:

$$\frac{x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}}{\ln \arctan z}$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT IT!!! IN
 THE POINT ($x = 0.500$, $y = 1.000$, $z = 5.000$)IT'S VALUE = 0.420 !!!

1 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

2 step: finding a derivation of function:

$$\arctan z$$

here it is:

$$\frac{1}{1 + z^2}$$

3 step: finding a derivation of function:

$$\ln \arctan z$$

here it is:

$$\frac{1}{\arctan z} \cdot \frac{1}{1 + z^2}$$

4 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

5 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

6 step: finding a derivation of function:

$$y$$

$$1$$

here it is:

$$1$$

7 step: finding a derivation of function:

$$y^2$$

here it is:

$$2 \cdot y$$

8 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

9 step: finding a derivation of function:

$$2 \cdot y^2$$

here it is:

$$2 \cdot 2 \cdot y$$

10 step: finding a derivation of function:

$$2 \cdot y^2 + x$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

11 step: finding a derivation of function:

$$(2 \cdot y^2 + x + 3)$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

12 step: finding a derivation of function:

$$\sinh(2 \cdot y^2 + x + 3)$$

here it is:

$$\cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

13 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

$$2$$

14 step: finding a derivation of function:

$$\frac{1}{\sinh(2 \cdot y^2 + x + 3)}$$

here it is:

$$\frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

15 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

16 step: finding a derivation of function:

$$x^3$$

here it is:

$$3 \cdot x^2$$

17 step: finding a derivation of function:

$$x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}$$

here it is:

$$3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

18 step: finding a derivation of function:

$$\frac{x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}}{\ln \arctan z}$$

here it is:

$$\frac{(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1+z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})}{(\ln \arctan z)^2}$$

Congratulations! The first derivation of the expression is:

$$\frac{(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1+z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})}{(\ln \arctan z)^2}$$

IN THE POINT (x = 0.500, y = 1.000, z = 5.000)IT'S VALUE = 2.198 !!!

Let's calculate the 2 derivation of the expression:

Calculating the 1 derivation of the expression:

1 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

2 step: finding a derivation of function:

$$\arctan z$$

here it is:

$$\frac{1}{1+z^2}$$

3 step: finding a derivation of function:

$$\ln \arctan z$$

here it is:

$$\frac{1}{\arctan z} \cdot \frac{1}{1+z^2}$$

4 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

5 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

6 step: finding a derivation of function:

$$y$$

here it is:

$$1$$

7 step: finding a derivation of function:

$$y^2$$

here it is:

$$2 \cdot y$$

8 step: finding a derivation of function:

$$2$$

$$4$$

here it is:

$$0$$

9 step: finding a derivation of function:

$$2 \cdot y^2$$

here it is:

$$2 \cdot 2 \cdot y$$

10 step: finding a derivation of function:

$$2 \cdot y^2 + x$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

11 step: finding a derivation of function:

$$(2 \cdot y^2 + x + 3)$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

12 step: finding a derivation of function:

$$\sinh(2 \cdot y^2 + x + 3)$$

here it is:

$$\cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

13 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

14 step: finding a derivation of function:

$$\frac{1}{\sinh(2 \cdot y^2 + x + 3)}$$

here it is:

$$\frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

15 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

$$5$$

16 step: finding a derivation of function:

$$x^3$$

here it is:

$$3 \cdot x^2$$

17 step: finding a derivation of function:

$$x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}$$

here it is:

$$3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

18 step: finding a derivation of function:

$$\frac{x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}}{\ln \arctan z}$$

here it is:

$$\frac{(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})}{(\ln \arctan z)^2}$$

Calculating the 2 derivation of the expression:

1 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

2 step: finding a derivation of function:

$$\arctan z$$

here it is:

$$\frac{1}{1 + z^2}$$

3 step: finding a derivation of function:

$$(\ln \arctan z)$$

here it is:

$$\frac{1}{\arctan z} \cdot \frac{1}{1 + z^2}$$

4 step: finding a derivation of function:

$$(\ln \arctan z)^2$$

here it is:

$$2 \cdot \ln \arctan z \cdot \frac{1}{\arctan z} \cdot \frac{1}{1+z^2}$$

5 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

6 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

7 step: finding a derivation of function:

$$y$$

here it is:

$$1$$

8 step: finding a derivation of function:

$$y^2$$

here it is:

$$2 \cdot y$$

9 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

10 step: finding a derivation of function:

$$2 \cdot y^2$$

here it is:

$$2 \cdot 2 \cdot y$$

11 step: finding a derivation of function:

$$2 \cdot y^2 + x$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

$$7$$

12 step: finding a derivation of function:

$$(2 \cdot y^2 + x + 3)$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

13 step: finding a derivation of function:

$$\sinh(2 \cdot y^2 + x + 3)$$

here it is:

$$\cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

14 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

15 step: finding a derivation of function:

$$\frac{1}{\sinh(2 \cdot y^2 + x + 3)}$$

here it is:

$$\frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

16 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

17 step: finding a derivation of function:

$$x^3$$

here it is:

$$3 \cdot x^2$$

18 step: finding a derivation of function:

$$\left(x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}\right)$$

here it is:

$$3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

19 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

20 step: finding a derivation of function:

$$z^2$$

here it is:

$$2 \cdot z$$

21 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

22 step: finding a derivation of function:

$$1 + z^2$$

here it is:

$$2 \cdot z$$

23 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

24 step: finding a derivation of function:

$$\frac{1}{1 + z^2}$$

here it is:

$$\frac{(-1) \cdot 2 \cdot z}{(1 + z^2)^2}$$

25 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

26 step: finding a derivation of function:

$$\arctan z$$

here it is:

$$\frac{1}{1+z^2}$$

27 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

28 step: finding a derivation of function:

$$\frac{1}{\arctan z}$$

here it is:

$$\frac{(-1) \cdot \frac{1}{1+z^2}}{(\arctan z)^2}$$

29 step: finding a derivation of function:

$$\frac{1}{\arctan z} \cdot \frac{1}{1+z^2}$$

here it is:

$$\frac{(-1) \cdot \frac{1}{1+z^2}}{(\arctan z)^2} \cdot \frac{1}{1+z^2} + \frac{(-1) \cdot 2 \cdot z}{(1+z^2)^2} \cdot \frac{1}{\arctan z}$$

30 step: finding a derivation of function:

$$\frac{1}{\arctan z} \cdot \frac{1}{1+z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})$$

here it is:

$$(\frac{(-1) \cdot \frac{1}{1+z^2}}{(\arctan z)^2} \cdot \frac{1}{1+z^2} + \frac{(-1) \cdot 2 \cdot z}{(1+z^2)^2} \cdot \frac{1}{\arctan z}) \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}) + (3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3)}{\sinh(2 \cdot y^2 + x + 3)})$$

31 step: finding a derivation of function:

$$z$$

here it is:

$$1$$

32 step: finding a derivation of function:

$$\arctan z$$

here it is:

$$\frac{1}{1+z^2}$$

33 step: finding a derivation of function:

$$\ln \arctan z$$

here it is:

$$\frac{1}{\arctan z} \cdot \frac{1}{1+z^2}$$

34 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

35 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

36 step: finding a derivation of function:

$$y$$

here it is:

$$1$$

37 step: finding a derivation of function:

$$y^2$$

here it is:

$$2 \cdot y$$

38 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

39 step: finding a derivation of function:

$$2 \cdot y^2$$

here it is:

$$2 \cdot 2 \cdot y$$

40 step: finding a derivation of function:

$$2 \cdot y^2 + x$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

41 step: finding a derivation of function:

$$(2 \cdot y^2 + x + 3)$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

42 step: finding a derivation of function:

$$(\sinh(2 \cdot y^2 + x + 3))$$

here it is:

$$\cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

43 step: finding a derivation of function:

$$(\sinh(2 \cdot y^2 + x + 3))^2$$

here it is:

$$2 \cdot \sinh(2 \cdot y^2 + x + 3) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

44 step: finding a derivation of function:

$$1$$

here it is:

$$0$$

45 step: finding a derivation of function:

$$y$$

here it is:

$$1$$

46 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

47 step: finding a derivation of function:

$$2 \cdot y$$

here it is:

$$2$$

$$12$$

48 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

49 step: finding a derivation of function:

$$2 \cdot 2 \cdot y$$

here it is:

$$4$$

50 step: finding a derivation of function:

$$(2 \cdot 2 \cdot y + 1)$$

here it is:

$$4$$

51 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

52 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

53 step: finding a derivation of function:

$$y$$

here it is:

$$1$$

54 step: finding a derivation of function:

$$y^2$$

here it is:

$$2 \cdot y$$

55 step: finding a derivation of function:

$$2$$

here it is:

$$0$$

56 step: finding a derivation of function:

$$2 \cdot y^2$$

here it is:

$$2 \cdot 2 \cdot y$$

57 step: finding a derivation of function:

$$2 \cdot y^2 + x$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

58 step: finding a derivation of function:

$$(2 \cdot y^2 + x + 3)$$

here it is:

$$2 \cdot 2 \cdot y + 1$$

59 step: finding a derivation of function:

$$\cosh(2 \cdot y^2 + x + 3)$$

here it is:

$$\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

60 step: finding a derivation of function:

$$\cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

here it is:

$$\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)$$

61 step: finding a derivation of function:

$$(-1)$$

here it is:

$$0$$

62 step: finding a derivation of function:

$$(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)$$

here it is:

$$(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3))$$

63 step: finding a derivation of function:

$$\frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}$$

here it is:

$$\frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))^2}{((\sinh(2 \cdot y^2 + x + 3))^2)}$$

64 step: finding a derivation of function:

$$x$$

here it is:

$$1$$

65 step: finding a derivation of function:

$$x^2$$

here it is:

$$2 \cdot x$$

66 step: finding a derivation of function:

$$3$$

here it is:

$$0$$

67 step: finding a derivation of function:

$$3 \cdot x^2$$

here it is:

$$3 \cdot 2 \cdot x$$

68 step: finding a derivation of function:

$$(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2})$$

here it is:

$$3 \cdot 2 \cdot x + \frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))^2}{((\sinh(2 \cdot y^2 + x + 3))^2)}$$

69 step: finding a derivation of function:

$$(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z$$

here it is:

$$(3 \cdot 2 \cdot x + \frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))}{((\sinh(2 \cdot y^2 + x + 3))^2)}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})$$

70 step: finding a derivation of function:

$$(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})$$

here it is:

$$((3 \cdot 2 \cdot x + \frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))}{((\sinh(2 \cdot y^2 + x + 3))^2)}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}))$$

71 step: finding a derivation of function:

$$\frac{(3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1)}{(\sinh(2 \cdot y^2 + x + 3))^2}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})}{(\ln \arctan z)^2}$$

here it is:

$$\frac{(((3 \cdot 2 \cdot x + \frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))}{((\sinh(2 \cdot y^2 + x + 3))^2)}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})}{((\ln \arctan z)^2)^2}$$

Finally... The 2 derivation of the expression:

$$\frac{(((3 \cdot 2 \cdot x + \frac{(-1) \cdot (\sinh(2 \cdot y^2 + x + 3) \cdot (2 \cdot 2 \cdot y + 1) \cdot (2 \cdot 2 \cdot y + 1) + 4 \cdot \cosh(2 \cdot y^2 + x + 3)) \cdot (\sinh(2 \cdot y^2 + x + 3))}{((\sinh(2 \cdot y^2 + x + 3))^2)}) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)})) \cdot \ln \arctan z - \frac{1}{\arctan z} \cdot \frac{1}{1 + z^2} \cdot (x^3 + \frac{1}{\sinh(2 \cdot y^2 + x + 3)}))}{((\ln \arctan z)^2)^2}$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT THE 2 DERIVATION OF THIS EXPRESSION!!! IN THE POINT (x = 0.500, y = 1.000, z = 5.000)IT'S VALUE = 9.623 !!!

Partial derivation of the expression on the variable 'x':

$$\frac{0 \cdot (3 \cdot x^2 + \frac{(-1) \cdot \cosh(2 + x + 3)}{(\sinh(2 + x + 3))^2})}{0}$$

IN THE POINT (x = 0.500, y = 1.000, z = 5.000) IT'S VALUE = 2.338007 !!!

Partial derivation of the expression on the variable 'y':

$$\frac{0 \cdot \frac{(-1) \cdot \cosh(2 \cdot y^2 + 0 + 3) \cdot 2 \cdot 2 \cdot y}{(\sinh(2 \cdot y^2 + 0 + 3))^2}}{0}$$

IN THE POINT (x = 0.500, y = 1.000, z = 5.000) IT'S VALUE = -0.103047 !!!

Partial derivation of the expression on the variable 'z':

$$\frac{(-1) \cdot 0 \cdot \frac{1}{\arctan z} \cdot \frac{1}{1+z^2}}{(\ln \arctan z)^2}$$

IN THE POINT (x = 0.500, y = 1.000, z = 5.000) IT'S VALUE = -0.037045 !!!

Full derivation:

$$\sqrt{\left(\frac{0 \cdot (3 \cdot x^2 + \frac{(-1) \cdot \cosh(2+x+3)}{(\sinh(2+x+3))^2})}{0}\right)^2 + \left(\frac{0 \cdot \frac{(-1) \cdot \cosh(2 \cdot y^2 + 0 + 3) \cdot 2 \cdot 2 \cdot y}{(\sinh(2 \cdot y^2 + 0 + 3))^2}}{0}\right)^2 + \left(\frac{(-1) \cdot 0 \cdot \frac{1}{\arctan z} \cdot \frac{1}{1+z^2}}{(\ln \arctan z)^2}\right)^2}$$

IN THE POINT (x = 0.500, y = 1.000, z = 5.000) IT'S VALUE = 2.341 !!!

Let's consider the expression as a function of x variable: f(x) =

$$\frac{x^3 + \frac{1}{\sinh(2+x+3)}}{0}$$

Maklorens formula for x near to 0.500000:

$$0 + 2 \cdot (x - 0) + 5 \cdot (x - 0)^2 + 3 \cdot (x - 0)^3$$

And remainig member is o maloe from:

$$(x - 0)^3$$

Graph f(x):

Tangent equation in point 1.000: f(x) =

$$9 \cdot (x - 1) + 3$$

Normal equation in point 1.000: f(x) =

$$(-0) \cdot (x - 1) + 3$$