DERIVATION

dermaker v1.0

February 4, 2017

derivation this:

$$x^6$$

getting derivative 1 order:

$$1 * 6 * x^{(6-1)}$$

collapsing constants:

$$1 * 6 * x^5$$

dropping nulls and etc...:

$$6 * x^5$$

using diving algorytm:

$$6 * x^5$$

derivation this:

$$6 * x^5$$

getting derivative 2 order:

$$6 * 1 * 5 * x^{(5-1)} + x^5 * 0$$

collapsing constants:

$$6 * 1 * 5 * x^4 + x^5 * 0$$

dropping nulls and etc...:

$$6 * 5 * x^4$$

using diving algorytm:

$$30 * x^4$$

derivation this:

$$30 * x^4$$

getting derivative 3 order:

$$30 * 1 * 4 * x^{(4-1)} + x^4 * 0$$

collapsing constants:

$$30 * 1 * 4 * x^3 + x^4 * 0$$

dropping nulls and etc...:

$$30 * 4 * x^3$$

using diving algorytm:

$$120 * x^3$$

derivation this:

$$120 * x^3$$

getting derivative 4 order:

$$120 * 1 * 3 * x^{(3-1)} + x^3 * 0$$

collapsing constants:

$$120 * 1 * 3 * x^2 + x^3 * 0$$

dropping nulls and etc...:

$$120 * 3 * x^2$$

using diving algorytm:

$$360 * x^2$$

derivation this:

$$360 * x^2$$

getting derivative 5 order:

$$360 * 1 * 2 * x^{(2-1)} + x^2 * 0$$

collapsing constants:

$$360 * 1 * 2 * x^1 + x^2 * 0$$

dropping nulls and etc...:

$$360 * 2 * x$$

using diving algorytm:

$$720 * x$$

As result:

$$720 * x$$