Latex- Computer Tools Tats

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1 Formulas

Depending on the value of x the equation $f(x) = \sum_{i=0}^{n} \frac{a_i}{1+x}$ may diverge or converge.

$$f(x) = \sum_{i=0}^{n} \frac{a_i}{1+x}$$

Inline maths elements can be set with a different style: $f(x) = \frac{1}{1+x}$. The same is true for display math material:

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The well known Pythagorean theorem $x^2 + y^2 = z^2$ was proved to be invalid for other exponents. Meaning the next equation has no integer solutions:

$$x^n + y^n = z^n$$

$$e^{\pi i} + 1 = 0 \tag{1}$$

The beautiful equation 1 is known as the Euler equation.

This is a polynomial equation

$$p(x) = 3x^6 + 14x^5y + 590x^4y^2 + 19x^3y^3 - 12x^2y^4 - 12xy^5 + 2y^6 - a^3b^3$$
 (2)

The binomial coefficient is defined by the next expression:

$$nk = \frac{n!}{k!(n-k)!}$$

(3)

$$\int_0^1 x^2 + y^2 dx$$
$$x^{2\alpha} - 1 = y_{ij} + y_{ij}$$

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