

# Edytor równań

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Wstawianie → Symbole → Równanie

1.  $a + (b + c) = (a + b) + c$

2.  $a^n = \underbrace{aa \cdots a}_{n \text{ razy}}$

3.  $9^{-\frac{3}{2}} = \sqrt{9^{-3}} = \sqrt{\frac{1}{9^3}} = \frac{1}{27}$

4.  $\log_a \left(\frac{b}{c}\right) = \log_a b - \log_a c$

5.  $\binom{n}{k} = \frac{n(n-1)\cdots(n-k+1)}{1 \cdot 2 \cdots k} = \frac{n!}{k!(n-k)!}$

6.  $\left|1 - \frac{\sin x}{x}\right| < \varepsilon$

7.  $\int_a^b dx = b - a$

8.  $\int_0^1 \frac{dx}{x^2+1} = \frac{\pi}{4}$

9.  $\int_0^3 \sqrt{9-x^2} dx = \frac{1}{2} \cdot \frac{2}{3}$

10.  $\psi_i = \sum_v^m c_{vi} \chi_v$

11.  $\epsilon = \begin{bmatrix} \epsilon_1 & 0 & \cdots & 0 & \cdots & 0 \\ 0 & \epsilon_2 & \cdots & 0 & \cdots & 0 \\ \vdots & \vdots & & \vdots & & \vdots \\ 0 & 0 & & \epsilon_i & & 0 \\ \vdots & \vdots & & \vdots & & \vdots \\ 0 & 0 & \cdots & 0 & \cdots & \epsilon_m \end{bmatrix}$

12.  $\rho \Rightarrow \{N, Z_A, R_A\} \Rightarrow \hat{H} \Rightarrow \Psi \Rightarrow E$

13.  $\hat{H}(r_1, r_2, \dots, r_n) = \sum_i^N \left[-\frac{1}{2} \nabla_i^2 + v(r_i)\right] + \frac{1}{2} \sum_{i \neq j} g(r_i, r_j) = \hat{T} + \hat{V} + \hat{G}$