Račun s ∞

- $\frac{1}{\infty} = 0$

- $\frac{1}{0} = \infty$

- $\infty + \infty = \infty$

- $-\infty - \infty = -\infty$

- $\infty \cdot \infty = \cdot$

- $\infty \cdot (-\infty) = -\infty$

- $a \cdot \infty = \begin{cases} -\infty, & a < 0 \\ +\infty, & a \geq 0 \end{cases}$

Neodređeni izrazi

- $\infty - \infty,\ 0 \cdot \infty,\ \frac{\infty}{\infty},\ \frac{0}{0},\ 0^\infty,\ \infty^\infty,\ 0^0,\ 1^\infty$

Neki važniji limesi

- $\lim\limits_{x \to \infty} a^x = \begin{cases} 0, & a < 1 \\ 1, & a = 1 \\ \infty, & a > 1 \end{cases}$

- $\lim\limits_{x \to \infty} \sqrt[x]{x} = \lim\limits_{x \to \infty} x^{\frac{1}{x}} = 1$

- $\lim\limits_{x \to \infty} \sqrt[x]{a} = \lim\limits_{x \to \infty} a^{\frac{1}{x}} = 1$

- $\lim\limits_{x \to 0} \frac{\sin x}{x} = 1$

- $\lim\limits_{x \to 0} \frac{\cos x - 1}{x} = 0$

- $\lim\limits_{x \to \infty} (1 + \frac{k}{x})^x = e^x$

- $\lim\limits_{x \to \infty} (1 + \frac{1}{x})^x = e$

- $\lim\limits_{x \to 0} (1 + kx)^{\frac{1}{x}} = e^k$

- $\lim\limits_{x \to 0} (1 + x)^{\frac{1}{x}} = e$

- $\lim\limits_{x \to 0} \frac{e^x - 1}{x} = 1$

- $\lim\limits_{x \to 0} \frac{\ln(1+x)}{x} = 1$

Aritmetički niz

- $a_{n+1} = a_n + d$

- $a_n = a_1 + (n-1)d$

- $a_n = \frac{a_{n-1} + a_{n+1}}{2}$

- $S_n = \frac{n}{2}(a_1 + a_n)$

Geometrijski niz

- $a_{n+1} = a_n q$

- $a_n = a_1 q^{n-1}$

- $a_n = \sqrt{a_{n-1} a_{n+1}}$

- $S_n = a_1 \frac{q^n - 1}{q - 1}$

Geometrijski red

- $\lim\limits_{n \to \infty} S_n = \frac{a_1}{1-q},\ |q| < 1$