

Matematička analiza 2 - PFKI

Osma domaća zadaća - REDOVI I

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Zadatak 1. Izračunajte sumu redova:

$$(a) \sum_{n=4}^{\infty} \frac{1}{5^n}, \quad (b) \sum_{n=1}^{\infty} \frac{1}{n(n+2)}.$$

Zadatak 2. Provjerite konvergenciju redova:

$$(a) \sum_{n=4}^{\infty} \frac{\sin n}{\sqrt{n^3 - n + 1}}, \quad (b) \sum_{n=1}^{\infty} n^{10} e^{-3n}, \quad (c) \sum_{n=1}^{\infty} \frac{\ln n}{\sqrt{n^4 + n}}.$$