Povzetek

V diplomski nalogi smo definirali binomske simbole $\binom{n}{r}$ za vse n in $r \in \mathbf{R}$. S tem smo razširili Pascalov trikotnik do Pascalovega šestkotnika. Obravnavana je osnovna lastnost Pascalove rože in Eulerjeva števila za potenco 2.

Ključne besede: binomski izrek, Pascalov trikotnik, Pascalov šestkotnik.

Abstract

In the thesis we defined binomial symbols $\binom{n}{r}$ for all n and $r \in \mathbf{R}$. Thereby we expanded the Pascal's triangle up to the Pascal's hexagon. We examined the basic characteristic of the Pascal's flower and Euler's numbers for the exponent 2.

Keywords: Binomial theorem, Pascal's triangle, Pascal's hexagon.

Literatura

[1] Peter Hilton, Derek Holton, Jean Pedersen *Mathematical Reflections, In a Room vith Many Mirrors*, Springer, 1987, str. 87 - 142