

Povzetek

V nalogi predstavimo Fibonaccijeva in Lucasova števila. S pomočjo polinomov in matrik dokažemo eksplicitne formule. V 5. poglavju je pokazanih nekaj osnovnih zvez med Lucasovimi in Fibonaccijevimi števili. V 6. poglavju smo navedli nekaj osnovnih zvez o deljivosti Fibonaccijevih in Lucasovih števil.

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Ključne besede: Lukasova števila, Fibonaccijeva števila, Binetova formula, deljivost.

Abstract

In this work we introduce Fibonacci and Lucas numbers. With polynoms and matrices we prove explicit formulas. In 5th chapter we show some basic relationships between Lucas's and Fibonacci's numbers. In 6th chapter we introduce some basic theorems about divisibility between Fibonacci's and Lucas's numbers.

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Keywords: Lucas numbers, Fibonacci numbers, Binets formula, divisibility;

Literatura

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