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Abstract

Keywords

- 1. Introduction
  - 2. The determinantal representations
  - 3. The permanent representations
  - 4. Binet's formula for  $k$ -generalized Fibo...
- References

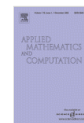
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## Applied Mathematics and Computation

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# On the representation of $k$ -generalized Fibonacci and Lucas numbers

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### Abstract

In this paper we give some determinantal and permanental representations of  $k$ -generalized Fibonacci and Lucas numbers. We obtain the Binet's formula for these sequences by using our representations.

### Keywords

$k$ -Generalized Fibonacci numbers;  $k$ -Generalized Lucas numbers; Hessenberg matrices

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