

DERIVING A GENERAL FORMULA TO SOLVING THE GENERALIZED BIVARIATE FIBONACCI POLYNOMIALS

BIJENDRA SINGH¹ AND POOJA BHADOURIA²

¹ School of Studies in Mathematics,
Vikram University, Ujjain, India
E-mail: bijendrasingh@yahoo.com

² School of Studies in Mathematics,
Vikram University, Ujjain, India
E-mail: Pooja.kajal@yahoo.co.in

Abstract

It is often comforting and useful to obtain a specific formula for the general term of a recursive sequence or polynomials. We define generalized bivariate Fibonacci polynomials, from which specifying initial conditions the bivariate Fibonacci and Lucas polynomials are obtained. In this paper, we will derive a general formula to finding the consecutive missing terms of the generalized bivariate Fibonacci polynomials with the help of basic Binet's formula for these polynomials.

Key Words : *Generalized bivariate Fibonacci polynomials, Binet's formula, Missing terms.*

AMS Subject Classification : 11B39, 11C08.

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