

## About Euler Polynomials Coefficient Estimates for Certain Bi-Univalent Functions Defined by Subordinations

**Mihaela Cojocnean**

Universitatea Babeş-Bolyai din Cluj-Napoca

### Abstract:

Our research endeavors focus on the introduction of novel subclasses of analytic functions, which are defined in terms of Euler polynomials. The primary objective of our investigation is to estimate the Fekete-Szeg functional problem and determine the Maclaurin coefficients, specifically  $|c_2|$  and  $|c_3|$ , for this particular subfamily. Furthermore, we will present a number of innovative findings that arise when we specialize the parameters employed in our core discoveries.

### Keywords:

Analytic functions, Euler polynomials, Convolution, Bi-univalent functions, Fekete-Szego problem.  
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