INCLUSION PROPERTIES FOR BI-UNIVALENT FUNCTIONS OF COMPLEX ORDER DEFINED BY COMBINING OF FABER POLYNOMIAL EXPANSIONS AND FIBONACCI NUMBERS

ŞAHSENE ALTINKAYA¹, SAMANEH G. HAMIDI², JAY M. JAHANGIRI³, SIBEL YALÇIN⁴

Abstract. In this present investigation, we introduce the new class \( R^{\mu,\psi}_{\Sigma,\gamma}(\tilde{p}) \) of bi-univalent functions defined by using the Tremblay fractional derivative operator. Additionally, we use the Faber polynomial expansions and Fibonacci numbers to derive bounds for the general coefficient \(|a_n|\) of the bi-univalent function class.

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1 Department of Mathematics, Bursa Uludag University, 16059 Bursa, Turkey
2 Department of Mathematics, Brigham Young University, Provo, UT 84602, USA
3 Department of Mathematical Sciences, Kent State University, Burton, OH 44021-9500, USA
4 Department of Mathematics, Bursa Uludag University, 16059 Bursa, Turkey

E-mail address: 1 sahsenealtinkaya@gmail.com, 2 shamidi@rider.edu, 3 jjahangi@kent.edu, 4 syalcin@uludag.edu.tr