Integral Operators on Some Classes of Meromorphic Close-to-Convex Multivalent Functions

ALINA TOTOI

Department of Mathematics, Faculty of Science, University “Lucian Blaga” of Sibiu, Str. Dr. Ion Rațiu, nr. 5-7, 550012-Sibiu, Romania
totoialina@yahoo.com

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Abstract: We introduce some new subclasses of the class of meromorphic multivalent functions, which are defined by subordination and superordination using the close-to-convexity condition. In some particular cases, these new subclasses are the well-known classes of meromorphic close-to-convex functions. We establish the conditions such that when we apply a certain integral operator (similar to Bernardi integral operator) to a function which belongs to one of these subclasses, the image we get belongs to a similar class.

Key words: Meromorphic close-to-convex functions, integral operators, subordination, superordination.

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