VARIABILITY REGIONS FOR A FAMILY OF UNIVALENT MAPPINGS SATISFYING A CERTAIN INEQUALITY

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Abstract. In this article, regions of variability for a family of analytic univalent mappings satisfying a certain differential inequality are explicitly determined. The geometric view of our main result is also shown by using Mathematica. **MSC 2010.** 30C45, 30C10.

Key words. Analytic functions, convex, starlike, variability region.

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Received May 11, 2017 Accepted December 19, 2017

DOI: 10.24193/mathcluj.2018.1.09

The author would like to thank the worthy anonymous referee of this article for his/her valuable comments on the earlier version of this paper.

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