

Norm of the pre-Schwarzian derivative and Bloch's constant in some class of harmonic mappings

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The subject of our investigation is a family of sense-preserving complex valued harmonic functions f with nonnegative Jacobian, normalized in the open unit disk, and such that its analytic part is convex in one direction. We prove the univalence and establish estimates on pre-Schwarzian derivative and the Bloch constant for co-analytic part of such harmonic mapping.

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