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DISTORTION AND RELATED INEQUALITIES FOR THE RIEMANN ZETA FUNCTION

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Abstract

Fundamental domains of the Riemann Zeta function are studied. These are domains of univalence of the function and inequalities specific to classes of univalent analytic functions in the unit disc are extended to the Riemann Zeta function. We mention among them those related to distortion, rotation and starlikeness.

Key Words : *Fundamental domain, Zeta function, Distortion inequality, Univalent function, Starlikeness*

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