

## A CLASS OF SYMMETRIC FUNCTIONS FOR MULTIPLICATIVELY CONVEX FUNCTION

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*Abstract.* A new symmetric function, which generalizes Hamy symmetric function, is defined. Its properties, including Schur-geometric convexity, are investigated. Some analytic inequalities are also established.

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*Key words and phrases:* Multiplicatively convex function; Hamy symmetric function; Schur-geometric convexity.

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