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Summary: We obtain certain sufficient conditions for special analytic functions to be in the class of normalized analytic functions satisfying the condition \( \text{Re}(f'(z)) \geq \beta |zf''(z)| \) for \(|z| < 1\), where \( \beta \) is a given real number.

MSC: 30C45 Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)

Keywords: Gaussian hypergeometric functions; convex functions; starlike functions; Hadamard product; carlson; shaffer operator; hohlov operator

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References:

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