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## Certain Sufficiency Conditions on Gaussian Hypergeometric Functions

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**Abstract:** The author aims at finding certain conditions on  $a, b$  and  $c$  such that the normalized Gaussian hypergeometric function  $zF(a, b; c; z)$  given by  $F(a, b; c; z) = \sum_{n=0}^{\infty} \frac{(a, n)(b, n)}{(c, n)(1, n)} z^n, |z| < 1,$  is in certain subclasses of analytic functions. A particular operator acting on  $F(a, b; c; z)$  is also discussed.



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