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On a class of $m$-harmonic functions associated with the $(p, q)$ quantum calculus operator.
(Chinese. English summary) Zbl 07448804

Summary: In this paper, a class of $m$-harmonic functions associated with the $(p, q)$ quantum calculus operator was introduced and studied. By subordination relationship and inequality theory, we obtained the sufficient and necessary conditions, distortion estimates, the extreme points and the other properties of the functions. The results presented here generalize the results in literature.

MSC:
30C45 Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)
30C80 Maximum principle, Schwarz’s lemma, Lindelöf principle, analogues and generalizations; subordination

Keywords:
$m$-harmonic functions; $(p, q)$ quantum calculus operator; subordination