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Hankel determinants for analytic function subordinate to a leaf-like domain. (Chinese. English summary) Zbl 07404463

Summary: In the present paper, a class of analytic functions subordinate to a leaf-like domain is introduced. Sharp estimates of some determinants over the class $S^\ast(h)$ are computed.

MSC:
30C45 Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)
15A15 Determinants, permanents, traces, other special matrix functions

Keywords:
univalent function; Hankel determinant; upper bound; leaf-like domain