

Local Discriminate Theorem for Extreme Points of Families of Analytic Functions

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Abstract

Using the Local property of boundary curve of a domain, we present several theorems concerning the sufficient condition of extreme points of families of functions which map the unit disk to the domain. In particular, we solve the extreme points of families of analytic functions subordinating to functions which belong to two families of analytic functions.

Keywords: families of analytic functions, extreme points, differentiable boundary curve, curvature

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· 简讯 ·

《偏微分方程及其数值解》专辑出版

即将出版的《中山大学学报》自然科学论丛(13)是一本关于偏微分方程理论和数值方法的论文集,主要反映吴兹潜教授等人近期的研究成果,包括偏微分方程组的分类,复合—混合型、双曲型、椭圆型方程组和特征型恒零的方程组的边值问题,拟线性双曲方程组的柯西问题,函数方程和流体力学的数值方法以及关于函数方程的一个综述。其中关于分类的结果在今年广东省偏微分方程学术会议上引起了与会者的浓厚兴趣。近年来,中山大学学报(自然科学版)上有关函数方程的论文有三篇被摘录在权威的《Mathematical Review》上,这本《偏微分方程及其数值解》专辑对有关的科研人员将是很有帮助的。

(刘运康)