NEW CRITERIA FOR CERTAIN CLASSES CONTAINING GENERALISED DIFFERENTIAL OPERATOR
(Kriterium Baharu untuk Kelas Tertentu yang Mengandungi Pengoperasi Pembezaan Teritlak)

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ABSTRACT

The main objective of this study is to generalise a differential operator. This generalised differential operator reduces to many known operators studied by various authors. New subclasses containing generalisation of differential operator are introduced. Characterisation and other properties of these subclasses are given.

Keywords: analytic function; Sălăgean differential operator; Ruscheweyh differential operator

ABSTRAK

Objektif utama kajian ini adalah untuk mengitlak pengoperasi pembezaan. Pengoperasi teritlak ini menurun kepada banyak pengoperasi terkenal yang dikaji oleh pelbagai penulis. Subkelas baharu yang mengandungi pengoperasi pembezaan teritlak ini diperkenalkan. Cirian dan sifat lain bagi subkelas ini diberi.

Kata kunci: fungsi analisis; pengoperasi pembezaan Sălăgean; pengoperasi pembezaan Ruscheweyh

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