

Year: 2010

Vol.: 76

Fasc.: 1-2

Title: Quasiconvact endomorphisms of Lipschitz algebras of analytic functions

Author(s): Hakimeh Mahyar and Amir H. Sanatpour

We study power compact and quasiconvact endomorphisms of certain subalgebras of analytic Lipschitz algebras. We first give a sufficient condition for a quasiconvact endomorphism of these algebras to be power compact. Then in certain cases, we show that this condition is also necessary. Using this, by constructing an example, we show that there exists a quasiconvact endomorphism of these algebras which is not power compact. As a final result, we give a necessary condition for the quasiconvactness of an endomorphism of these algebras.

Address:

Hakimeh Mahyar
Department of Mathematics
Tarbiat Moallem University
15618 Tehran
Iran

Address:

Amir H. Sanatpour
Department of Mathematics
Tarbiat Moallem University
15618 Tehran
Iran