BISHOP’S PROPERTY (\(\beta\)), HYPERCYCLICITY AND HYPERINVARIANT SUBSPACES

Salah Mecheri

Abstract. The question whether every operator on \(H\) has an hyperinvariant subspace is one of the most difficult problems in operator theory. The purpose of this paper is to make a beginning on the hyperinvariant subspace problems for another class of operators closely related to the normal operators namely, the class of \(k\)-quasi-class \(A\) operators. A necessary and sufficient condition for the hypercyclicity of the adjoint of a quasi-class \(A\) operator is also presented.


Keywords and phrases: Hyperinvariant subspace, hypercyclicity, quasi-class \(A\) operators.

REFERENCES

[18] In Ho Jeon and In Hyoum Kim, On operators satisfying \(T^*|T|^2|T| \geq T^*|T|^2 T\), Linear Algebra. Appl. 418 (2006), 854–862.