Complex Banach Spaces with Valdivia Dual Unit Ball*

ONDŘEJ F. K. KALENDA

Faculty of Mathematics and Physics, Charles University, Sokolovská 83, 186 75 Praha 8, Czech Republic
e-mail kalenda@karlin.mff.cuni.cz

(Presented by Y. Benyamini)

AMS Subject Class. (2000): 46B26, 54D30, 54H15

Received May 5, 2006

ABSTRACT

We study the classes of complex Banach spaces with Valdivia dual unit ball. We give complex analogues of several theorems on real spaces. Further we study relationship of these complex Banach spaces with their real versions and that of real Banach spaces and their complexification. We also formulate several open problems.

REFERENCES


*The work is a part of the research project MSM 0021620839 financed by MSMT and partly supported by the research grant GA ČR 201/03/0530.

243