SPECTRUM OF A FAMILY OF OPERATORS

Simona Macovei

Abstract. Having as start point the classic definitions of resolvent set and spectrum of a linear bounded operator on a Banach space, we introduce the resolvent set and spectrum of a family of linear bounded operators on a Banach space. In addition, we present some results which adapt to asymptotic case the classic results.

Full text

References

[1] David Albrecht, Xuan Duong and Alan McIntosh – *Operator Theory and Harmonic Analysis*, Lecture presented at the Workshop in Analysis and Geometry, A.N.U, Canberra, Jan. – Feb. 1995.

[2] I. Colojoară, *Elemente de teorie spectrală*, Editura Academiei, 1968. MR0242000(39 #3335). Zbl 0164.43701.

[3] I. Colojoară and C. Foias, *Theory of Generalized Spectral Operators,* Gordon and Breanch Science Publisher, 1968. MR0394282(52 #15085). Zbl 0189.44201.

[4] N. Dunford and J. T. Schwartz, *Linear Operators I, II, III,* Interscience Publishers, New York, 1963. MR0188745(32 #6181). Zbl 0128.34803.

[5] M. Sabac, *Teorie spectrală elementară cu exercitii si probleme selectate si prezentate de Daniel Beltită*, Biblioreca Societătii de Stiinte Matematice din România.

Simona Macovei
University of Bucharest,
Str. Academiei nr.14, Bucureşti,
Romania.
e-mail: simonamacovei@yahoo.com