



STRUCTURED PSEUDOSPECTRUM OF BOUNDED LINEAR OPERATORS ON NON-ARCHIMEDEAN BANACH SPACES

JAWAD ETTAYB

Regional Academy of Education and Training Casablanca-Settat,
Provincial Directorate of National Education of Berrechid,
College of Hamman Al-Fatawaki, Had Soualem, Berrechid, Morocco.
(E-mail: jawad.ettayb@gmail.com)

Abstract. In this paper, we introduce a new definition of the structured pseudospectrum and the structured Fredholm pseudospectrum of bounded linear operators on non-Archimedean Banach spaces. We study some of its properties and we give an equivalence with the usual definition of the structured pseudospectrum of bounded linear operators.

Communicated by Editors; Received December 13, 2023

AMS Subject Classification: 47A10; 47S10; 46S10.

Keywords: Non-Archimedean Banach spaces, bounded linear operators, Fredholm pseudospectrum of linear operators.