

## THE BEHAVIOR OF THE ORBITS OF POWER BOUNDED OPERATORS

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*Abstract.* Let  $T$  be a power bounded operator on a Banach space  $X$  and let  $\sigma_T(x)$  be the local spectrum of  $T$  at  $x \in X$ . In this paper, we study the asymptotic behavior of the orbits  $\{T^n x : n \geq 0\}$  in terms of the local spectrum of  $T$  at  $x$ .

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