EXTRACTA MATHEMATICAE Vol. **24**, Núm. 3, 219 – 241 (2009)

Browder and Semi-Browder Operators and Perturbation Function

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Presented by Manuel González   Received November 4, 2009

Abstract: This paper is devoted to the investigation of the stability of closed densely defined semi-Browder and Browder operators on Banach spaces. Our approach consists to introduce the concepts of a perturbation function and a coperturbation function in order to deduce the stability under strictly singular and cosingular operator perturbations. Further, our results are used to show the invariance of Browder's spectrum.

Key words: Browder and semi-Browder operators, perturbation and coperturbation function, Browder's spectrum.

AMS *Subject Class.* (2000): 47B07, 47A10, 47A53, 47A55.

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