

İSTANBUL ANALYSIS SEMINARS

Constrictive operators. Some recent results.

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A linear operator T in a Banach space X is called *constrictive* if there exists a compact set $A \subseteq X$ such that

$$\lim_{n \rightarrow \infty} \text{dist}(T^n x, A) = 0 \quad (\forall x \in X, \|x\| \leq 1).$$

The operator T is called *quasi-constrictive* if its *stable space*

$$X_0(T) = \{x \in X : \lim_{n \rightarrow \infty} \|T^n x\| = 0\}$$

is closed and has finite co-dimension. We discuss some conditions on operator T under which T is constrictive or quasi-constrictive.

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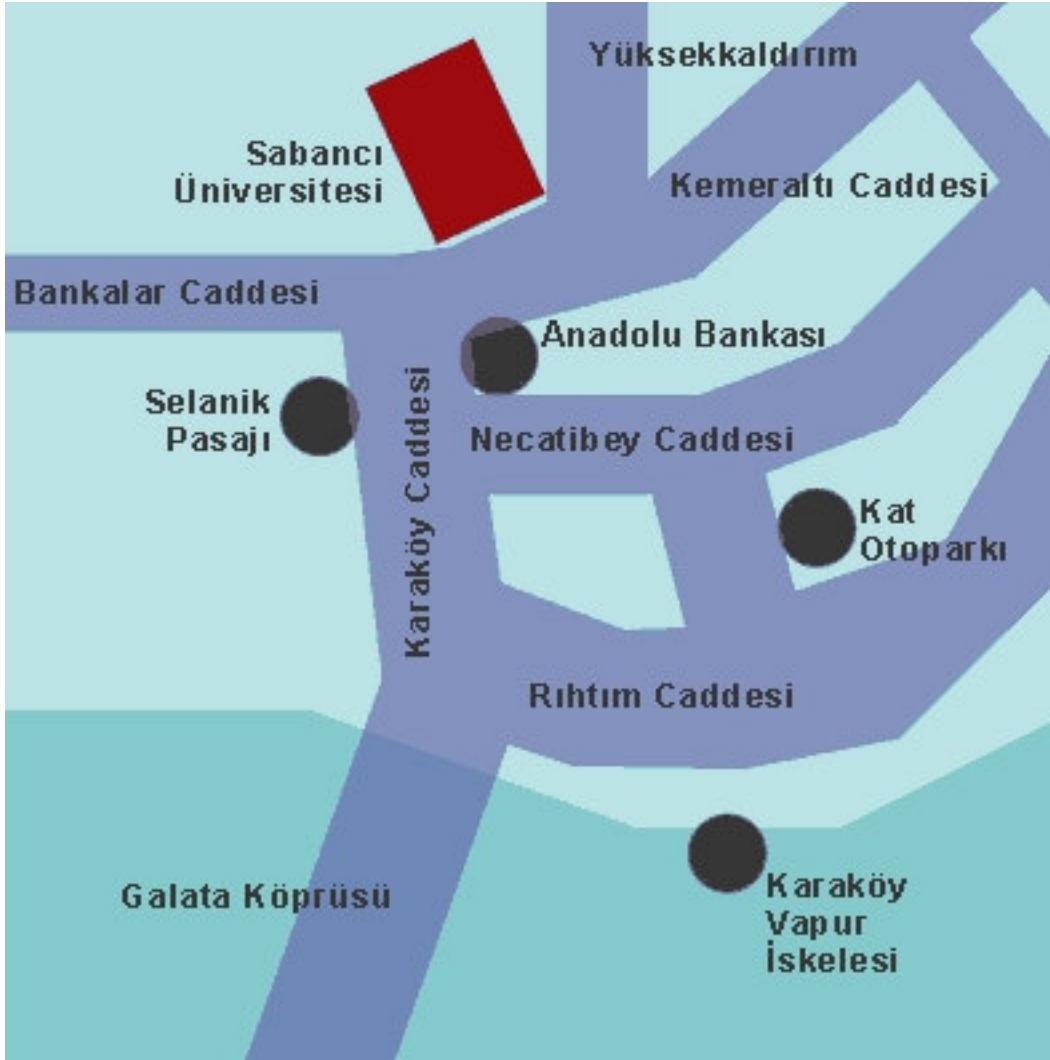
Abstract: A linear operator T in a Banach space X is called *constrictive* if there exists a compact set $A \subseteq X$ such that

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Sketch of Karaköy İletişim Merkezi