İSTANBUL ANALYSIS SEMINARS

Invariant Subspaces for Banach Space Operators

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A technique Scott Brown introduced in 1978 has proved powerful in obtaining invariant subspaces for Hilbert space operators. Using the Scott Brown technique, Ambrozie and Mller proved an invariant subspace result for polynomially bounded Banach space operators whose spectrum contains the unit circle. We will first explain how this is done, and then describe briefly how we extend this result to operators whose spectrum contains the boundary of a multiply connected region.

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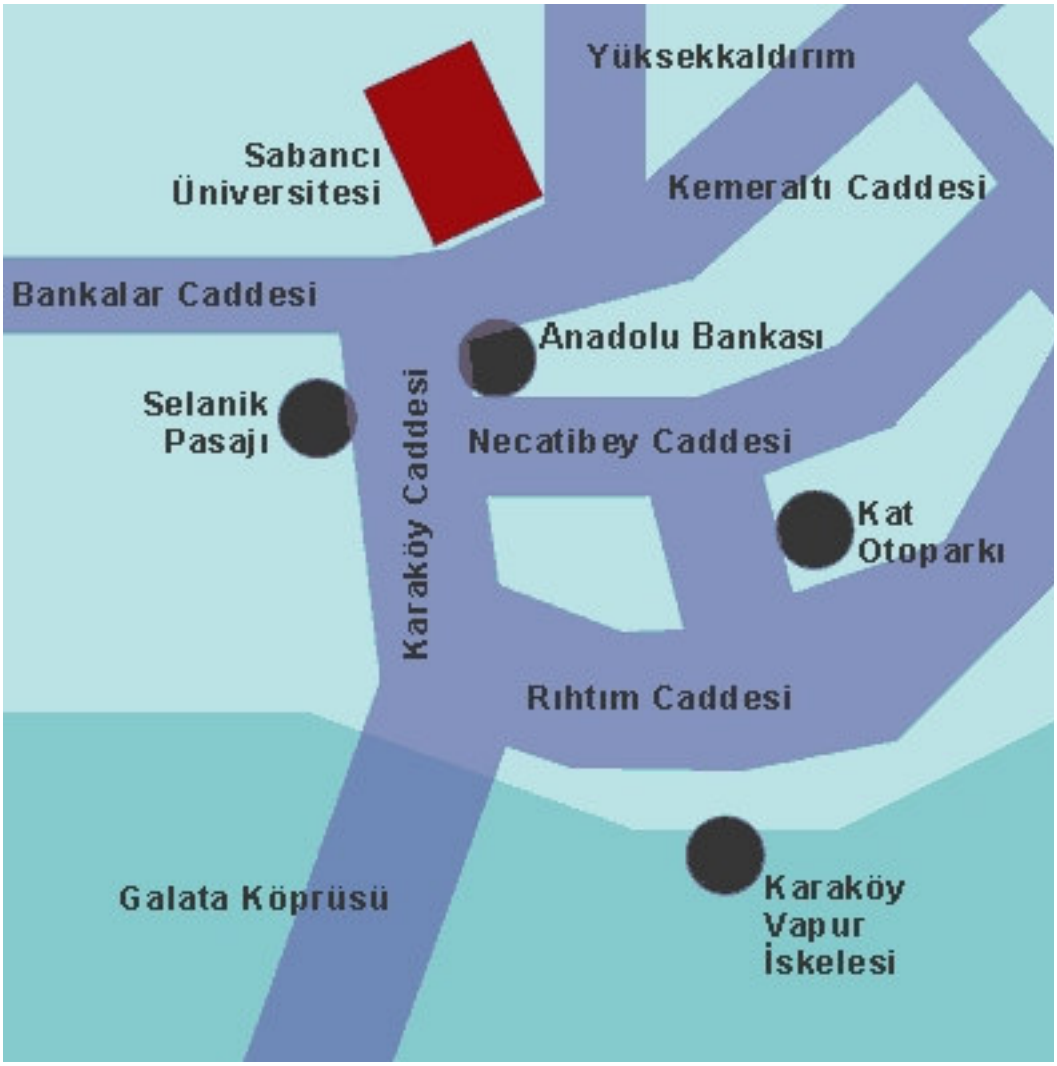

Sketch of Karaköy İletişim Merkezi