

İSTANBUL ANALYSIS SEMINARS

The Invariant Subspace Problem: A Smorgasbord of Perspectives

Mert ÇAĞLAR

İstanbul Kültür University

The present talk will serve as an introduction to a three-day-mini-workshop dedicated to the invariant subspace problem, which will be held on May 11-13, 2007 at the Karaköy Communication Center of Sabancı University. Considered by some as the most important problem in functional analysis, the invariant subspace problem reveals its genuine value in the proliferation of oodles of different directions what were later to become standard tools in analysis. The workshop, whose programme is shown below, will be a crash course in different aspects of this problem. In the introductory talk, a general framework for the invariant subspace problem and the workshop will be provided.

Date and Time: May 11, 2007, 15:45

Place: Sabancı Üniversitesi, Karaköy İletişim Merkezi,
Bankalar Caddesi No:2 Karaköy İstanbul

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WORKSHOP PROGRAMME

- 12/05/2007
 - 10:00–12:00: Beurling's theorem and some of its consequences
Uğur GÜL, Middle East Technical University
 - 14:00–16:00: The Scott Brown's technique
Onur YAVUZ, Middle East Technical University
- 13/05/2007
 - 10:00–12:00: Invariant subspaces for families of positive operators on locally solid Riesz spaces with Markushevich basis
Mert ÇAĞLAR, İstanbul Kültür University
 - 14:00–15:00: Invariant subspace theorems for families of positive operators on a Banach lattice
R. Tunç MISIRLIOĞLU, İstanbul University
 - 15:00–16:00: On a problem of Y. Abramovich, C.D. Aliprantis and O. Burkinshaw concerning invariant subspaces of non-positive operators
Özlem ÇAVUŞOĞLU, İstanbul Kültür University

Place: Sabancı Üniversitesi, Karaköy İletişim Merkezi,
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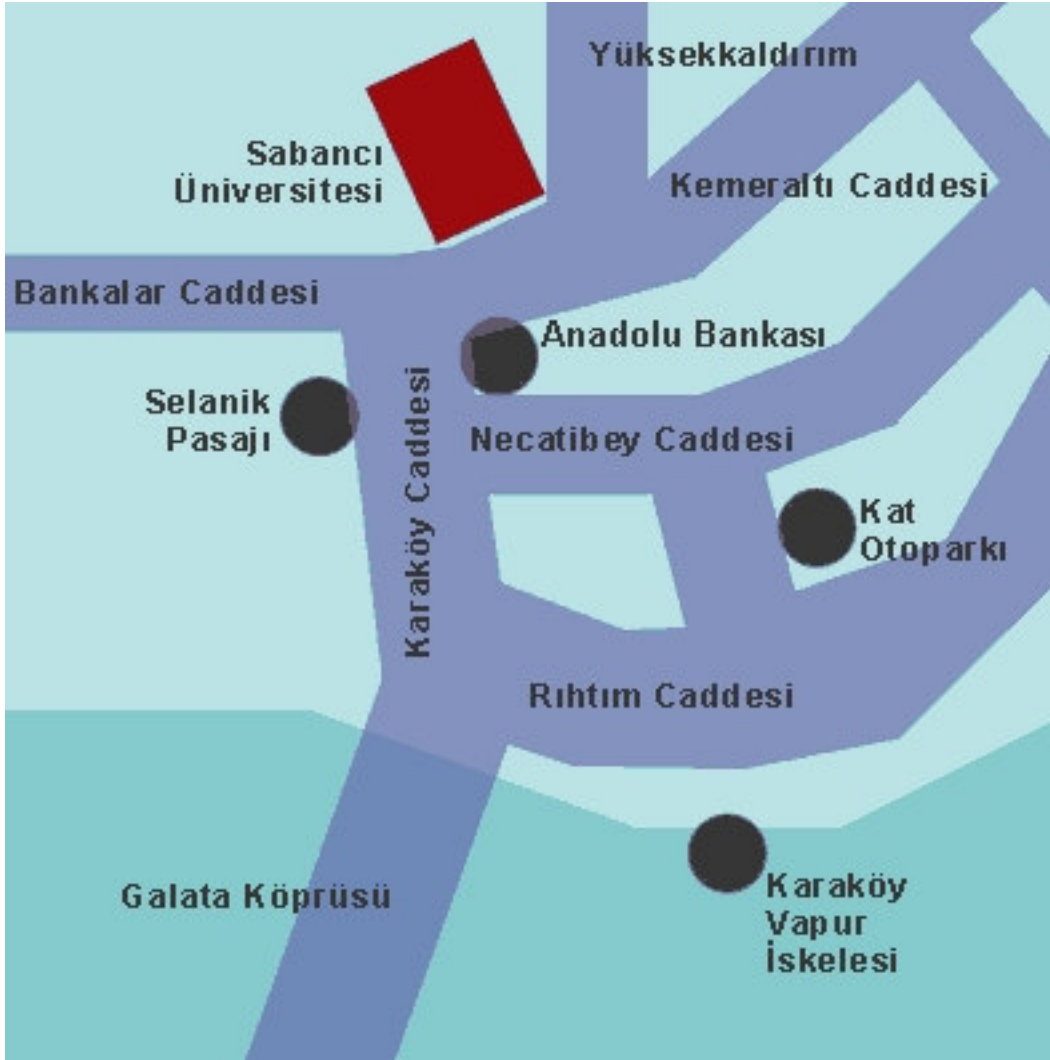
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Sketch of Karaköy İletişim Merkezi