

İSTANBUL ANALYSIS SEMINARS

On Two Families of Orthogonal Polynomials

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We shall present two families of orthogonal polynomials relating functions on the real line with analytic functions on a strip. They can be studied in the theory of "umbral calculus" but they deserve to be taken out of the shade. They have used as an alternative to hermite functions in some models of quantum mechanics.

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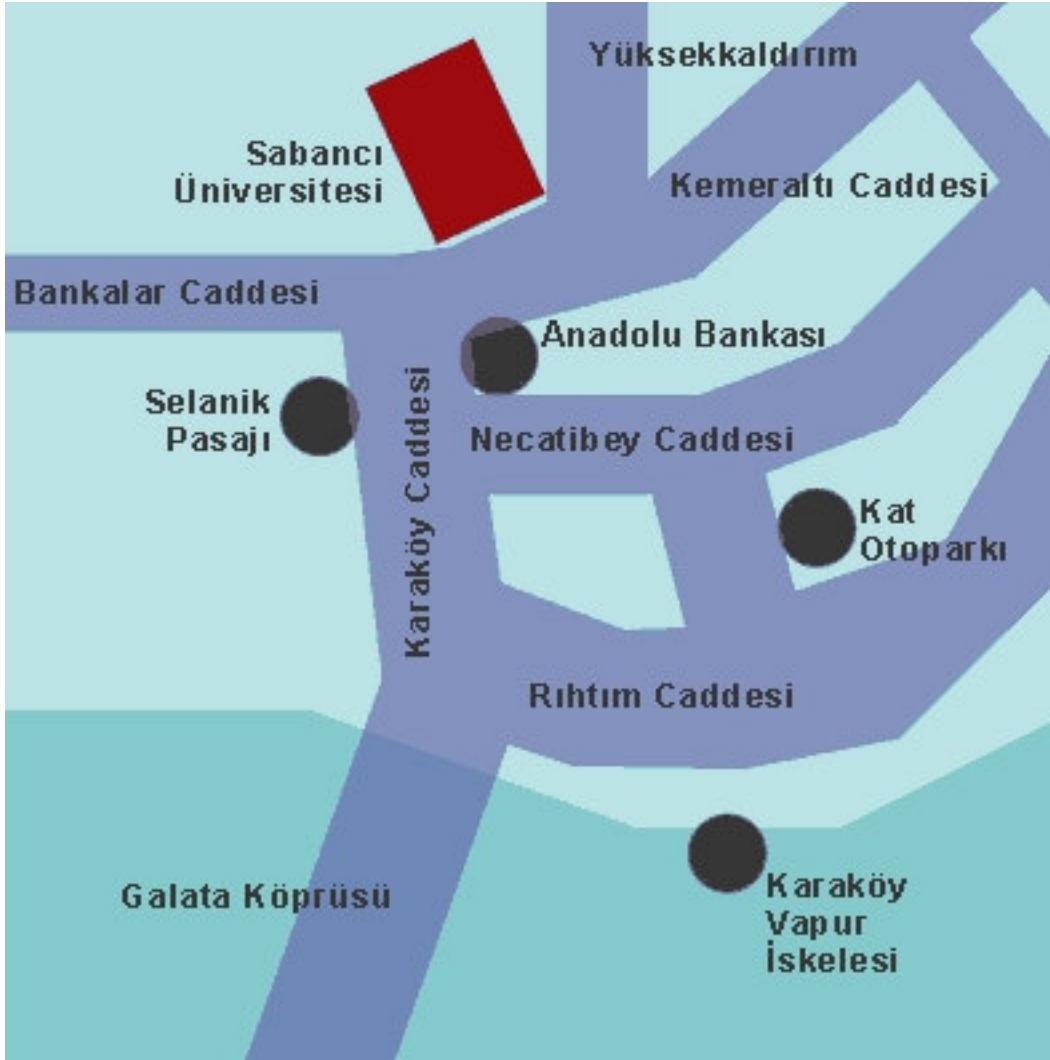
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Sketch of Karaköy İletişim Merkezi