



Analysis Seminar

Extremal polynomials on a Jordan arc and on the real line

By

Gökalp Alpan
(Uppsala University)

Abstract: We briefly describe Widom's theory of extremal polynomials on a system of smooth Jordan curves and arcs. Then we discuss some recent improvements on the upper estimate for weighted Chebyshev polynomials given in Widom's seminal paper (1969).

We also survey optimal lower and upper bounds for the norms of weighted Chebyshev polynomials and orthogonal polynomials on the real line.

Date: Wednesday, November 3, 2021

Time: 18:00-19:00, GMT+3.

Place: ZOOM

To request the event link, please send a message to goncha@fen.bilkent.edu.tr