ÇANKAYA UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

SEMINAR

Summability Methods in Singular Approximation

SPEAKER   : **Oktay Duman** (*TOBB University*)

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PLACE   : **Çankaya University (Central Campus), R-213**

Abstract   In this talk, we approximate a continuous function in a polydisc by means of multivariate complex singular operators which preserve the analytic functions. In this singular approximation, we mainly use a general form of regular summability methods (process), which includes the well-known convergence methods, such as, the usual convergence by Cauchy, the arithmetic mean by Cesàro and the almost convergence by Lorentz. We also show that our results are non-trivial generalizations of the classical approximations. At the end of the talk, we display an application verifying the singular approximation via summation process, but not the usual sense.

All interested are cordially invited.

ADDRESS : Eskişehir Yolu 29.km, 06810, Etimesgut/ANKARA