

İSTANBUL ANALYSIS SEMINARS

REAL COMPLEX FUNCTIONS

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Abstract: We study analytic functions on the unit disk whose boundary values on the unit circle are *real* almost everywhere. These functions have a remarkably rich structure theory and they enjoy a natural infinite product representation. We also present a few instances where such functions appear in harmonic analysis and operator theory. This talk is expository and should be accessible to graduate students.

Date: June 3, 2011

Time: 15:40

Place: Sabancı University, Karaköy Communication Center
Bankalar Caddesi 2, Karaköy 34420, İstanbul