SIMION STOILOW INSTITUTE OF MATHEMATICS OF THE ROMANIAN ACADEMY

Monthly conference:

The Gauss problem for continued fractions

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Wednesday, January 10, 2024, 13:00h

IMAR, *Miron Nicolescu* amphitheater

Abstract: The Gauss problem for regular continued fractions was completely solved after being translated from metric Diophantine approximation to concrete operator theory. This talk will discuss the analogue of the problem for nearest integer continued fractions. Although an optimal solution remains elusive, the rate of convergence turns out to be better here than in the situation of regular continued fractions.