



North Caucasus Center for Mathematical Research
of the Vladikavkaz Scientific Center of the RAS
Southern Mathematical Institute
of the Vladikavkaz Scientific Center of the RAS



International Seminar
"Operator Theory, Differential Equations and their Applications"

Seminar Chairmen: Prof. Anatoly G. Kusraev, Prof. Marat A. Pliev
Seminar Secretary: PhD Batradz B. Tasoev

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Spectral analysis of fourth-order differential operators

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We consider two spectral problems for fourth-order differential operator with nonsmooth, real, and periodic coefficients. The first problem is devoted to study of this operator with multi-point Dirichlet boundary conditions. The second problem is devoted to investigation of this operator with Neumann-Dirichlet boundary conditions. We obtain high energy asymptotics of eigenvalues and the trace formula for these operators.

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The seminar is organized by North Caucasus Center for Mathematical Research of the Vladikavkaz Scientific Center of the RAS jointly with Southern Mathematical Institute of the Vladikavkaz Scientific Center of the RAS.

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