



Beijing-Saint Petersburg Mathematics Colloquium

Thursday December 17 at 15:00

zoom ID 647 7292 0417

Prof. Alexander Fedotov

«n-Hierarchical Behavior of Solutions to the Maryland Equation in the Semiclassical Approximation»

Abstract: We describe a multiscale selfsimilar structure of solutions to one of the most popular models of the almost periodic operator theory, the difference Schroedinger equation with a potential of the form $a \operatorname{ctg}(b n+c)$, where a , b and c are constants, and n is an integer variable. The talk is based on a joint work with F.Klopp.

Bio: Prof. Alexander Fedotov, Department of Mathematics and Mathematical Physics of the Physics Faculty of Saint Petersburg State University.

Asymptotic methods of mathematical physics (quasi-classical, short-wave and adiabatic asymptotics); Spectral theory of ergodic Schrödinger operators; Analytic theory of difference equations on the complex plane.

Everyone is welcome!