

Участие в конференциях в 2007-2012 гг.

- March 2007 International Workshop "The Theory of Highly Oscillatory Problems", (Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kindom)
- May 2007 I.~G.~Petrovsky International Congress "Differential Equations and Applications", Moscow State University-Russian Academy of Sciences
- May-June 2007 Int. Seminar "Day of Diffraction " St.Petersburg, Russia
- November 2007 Conference "Geometric Analysis and Spectral Theory", Humboldt University, Berlin, Germany
- December 2007 Conference "Mathematical questions of nanosystems", Steklov Mathematical Institute, Moscow
- December 2007 XVI Scientific Session of Nonlinear Dynamics Council of Russian Academy of Sciences, Moscow
- January 2008 International Workshop "Classical and Quantum Integrable System-2008", Protvino, Russia
- March 2008 Internatinal Conference "Functional spaces. Differential operators". People's Friendship University of Russia, Moscow, Russia
- April 2008 School-Workshop "Nanostructures, models, analysis and management, Moscow institute of electronics and mathematics, Moscow, Russia
- April 2008 Mathematical Physics and Spectral Theory, Workshop in memory of Vladimir Geyler, Humboldt University, Berlin
- June 2008 L.S. Pontryagin's Centennial Anniversary Conference "Differential equation and topology", Lomonosov Moscow State University, Moscow, Russia
- June 2008 Int. Seminar "Day of Diffraction " St.Petersburg, Russia

- August 2008 The Fifth Int. Conference "Differential and Functional-differential Equations", Moscow
- September 2008 International Workshop "Analysis and Applied Mathematics", Morelia, Mexico
- December 2008 XVII Scientific Session of Nonlinear Dynamics Council of Russian Academy of Sciences, Moscow
- March-April 2009 International Conference "Modern problems of mathematics, mechanics and their applications", dedicated to 70-th birthday of V.A.Sadovnichy, Lomonosov Moscow State University, Moscow
- April 2009 24th International Workshop on Water Waves and Floating Bodies, Zelenogorsk-S.Petersburg, Russia
- May-June 2009 Int. Seminar "Day of Diffraction " St.Petersburg, Russia
- September 2009 International Workshop on Operator Theory 2009 (IWOTA-2009), Guanajuato, Mexico
- December 2009 XVIII Scientific Session of Nonlinear Dynamics Council of Russian Academy of Sciences, Moscow
- March 2010 International Conference Nonlinear Problems of Hydrodynamic Instability and Turbulence, Zvenigorod, Moscow Region, Russia
- May 2010 Conference "Asymptotic methods and mathematical Physics, Institute for problem in mechanics of Russian Academy of Sciences, Moscow
- May 2010 Conference "Modern problems of analysis and teaching of mathematics", dedicated to 105-th birthday of S.M.Nikolskii, Lomonosov Moscow State University
- May 2010 10-th Russian Conference "Applied technologies of Hydroacoustics and Hydrophysics", S.Peterburg, Russia
- June 2010 Int. Seminar "Day of Diffraction " St.Petersburg, Russia

- July 2010 The International Conference on Differential Equations and Dynamical Systems, Suzdal, Russia
- November 2010 Workshop "Análisis: Norte - Sur '10" CINVESTAV del I.P.N., Mexico-city, Mexico
- November /December 2010 Workshop "Mathematical Analysis of Asymptotic and Applications", IIMAS, UNAM, Mexico-city, Mexico
- December 2010 XIX Scientific Session of Nonlinear Dynamics Council of Russian Academy of Sciences, Moscow
- December 2010 Conference "Geometry and integrable systems. To I.Krichever 60". Steklov Mathematical Institute, Moscow
- January 2011 International Workshop "Classical and Quantum Integrable System-2011", Protvino, Russia
- April 2011 General Assembly of European Geophysical Union, Session "Nonlinear Dynamics of the Coastal Zone", Vienna, Austria
- May 2011 Conference Operator theory & boundary value Problem Orsay, France
- May-June 2011 I.-G.-Petrovsky International Congress "Differential Equations and Applications", Moscow State University-Russian Academy of Sciences
- June 2011 Conference "Spectral theory of operators and applications", Ufa, Russia
- May-June 2011 Int. Seminar "Day of Diffraction " St.Petersburg, Russia
- August 2011 Differential and functional differential equations, Moscow

- September 2011 Russian–French workshop “Mathematical Hydrodynamics” Lake Baikal, Irkutsk
- September 2011 Conference “Geodynamical processes and natural catastrophes in Far-East Regions. 65-th Anniversary of Institute of marine Geology and Geophysics”, Yuzhno-Sakhalinsk, Russia
- November 2011 54-th Scientific Conference of Moscow Institute of Physics and Technology, Moscow
- December 2011 XX Scientific Session of Nonlinear Dynamics Council of Russian Academy of Sciences, Moscow
- April 2012 Conference Nonlinear Waves, Asymptotic Methods and Applied Mathematics” IIMAS, UNAM, Mexico City.
- April 2012 2012 General Assembly of European Geophysical Union, Session "Nonlinear Dynamics of the Coastal Zone", Vienna, Austria
- May–June 2012 Int. Seminar "Day of Diffraction " St.Petersburg, Russia
- June 2012 The International Conference "Partial Differential Equations and Applications" in Honour of Mark Vishik IITP, Moscow, Russia
- June-July 2012 Conference on Differential Equations and Dynamical Systems, Suzdal, Vladimir region, Russia
- August 2012 The International Conference "Spectral Theory and Differential Equations in honor of Vladimir A. Marchenko's, Kharkiv, Ukraine
- September 2012 Asymptotic analysis and spectral theory on non-compact structures, J.Gutenberg University, Mainz
- November 2012 Spectral analysis, stability and bifurcation in Modern nonlinear physical systems, Banff International Research Station, Banff, Canada
- November 2012 55-th Scientific Conference of Moscow Institute of

2007

121. S.Yu. Dobrokhotov, S.Sinitsyn, B.Tirozzi, Asymptotics of Localized Solutions of the One-Dimensional Wave Equation with Variable Velocity.I.The Cauchy Problem, Russ. Jour.Math.Phys., v.14, N1, 2007, pp.28-56.

122. S.Yu. Dobrokhotov, A.I.Shafarevich, B.Tirozzi, Cauchy -- Riemann relations and singular asymptotic solutions to the linearized shallow water equations , Russ. Jour.Math.Phys., v.14, N2, 2007, pp.217-222

123. С.Ю.Доброхотов, Б.Тироцци, А.И.Шафаревич, Представление быстроубывающих функций каноническим оператором Маслова, Мат.заметки , т. 82 N 5, 2007, стр. 713-717

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124. J. Bruening, S.Yu. Dobrokhotov, R. Nekrasov, T. Tudorovskiy Quantum dynamics in a thin film. I. Propagation of localized perturbations, Russ. Jour.Math.Phys. v.15, N1, 2008, pp.1-16,

125. Й.Брюнинг, С.Ю.Доброхотов, Р.В.Некрасов, А.И.Шафаревич Распространение гауссовых волновых пакетов в квантовом тонком волноводе с нелокальной нелинейностью Теор.Мат.Физ., т.155,N 2, 2008, С. 215-235

126. S.Yu. Dobrokhotov, A.I.Shafarevich, B.Tirozzi, Localized Wave and Vortical Solutions to Linear Hyperbolic Systems and Their Application to the Linear Shallow Water Equation, Russ.J.Math.Phys. v. 15, N 2, 2008, pp.192-221

127. S.Yu. Dobrokhotov, S.Sinitsyn, B.Tirozzi, Asymptotics of Localized Solutions of the One-Dimensional Wave Equation with Variable Velocity.II. Taking into Account The Right-Hand Side and a Weak Dispersion, Russ. Jour.Math.Phys., v.15, N4, 2008, pp.427-446.

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128. S.Yu. Dobrokhotov , B. Tirozzi , C.A.Vargas, Behavior near the focal points of asymptotic solutions to the Cauchy problem for linearized Shallow water equations with initial localized perturbation, Russ. Jour.Math.Phys., v. 16, N 2, (2009), pp.192-221

129. С.Ю. Доброхотов, Б.И. Волков, С.Я.Секерж-Зенькович, Б. Тироцци, «Асимптотическое описание волн цунами в рамках поршневой модели: общие конструкции и явно решаемые примеры», *Фунд. и прикл. Гидрофизика*, Сб. научн. тр. С-Пб. научн. ц., 2009, № 2(4), 15-29

130. J.Bruening, S. Yu. Dobrokhotov, and R. V. Nekrasov, Quantum Dynamics in a Thin Film. II. Stationary States, *Russian Journal of Mathematical Physics*, Vol. 16, No. 4, 2009, pp. 467-477

131. S.Yu.Dobrokhotov, D. S. Minenkov, On Various Averaging Methods for a Nonlinear Oscillator with Slow Time-dependent Potential and a Nonconservative Perturbation, *Regular and Chaotic Dynamics*, 2010, Vol. 15, Nos. 2–3, pp. 285–299.

2010

132. В.В.Грушин, С.Ю.Доброхотов, [Подстановка Пайерлса и операторный метод Маслова](#), *Матем. заметки*, 2010, 87:4, 554–571

133. С.Ю.Доброхотов, М.Руло, [Квазиклассический аналог принципа Мопертюи–Якоби и его приложение к линейной теории волн на воде](#) *Матем. заметки*, 2010, 87:3, 458–463

134. S.Yu.Dobrokhotov, V.E.Nazaikinskii, B.Tirozzi Asymptotic solutions of 2-D wave equation with variable velocity and localized right-hand side, *Russ. Jour.Math.Phys.*, v.17, N1, 2010, pp.66–76.

135. С. Ю. Доброхотов, Б. Тироцци Локализованные решения одномерной нелинейной системы уравнений мелкой воды со скоростью  $c = \sqrt{x}$ , *Успехи Мат. Наук*, 2010, т.65 вып 1(391), С. 185–186

136 [С. Ю. Доброхотов](#), [В. Е. Назайкинский](#), [Б. Тироцци](#), Асимптотические решения двумерного модельного волнового уравнения с вырождающейся скоростью и локализованными начальными данными, *Алгебра и анализ*, 2010, [том 22](#), [выпуск 6](#), С 67–90

137. S. Yu. Dobrokhotov, V. E. Nazaikinskii, and B. Tirozzi, Asymptotic Solution of the One-Dimensional Wave Equation with Localized Initial Data and with Degenerating Velocity: I, *Russian Journal of Mathematical Physics*, Vol. 17, No. 4, 2010, pp. 434–450.

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139. J. Bruening, S. Yu. Dobrokhotov, S. Ya. Sekerzh-Zen'kovich, and T. Ya. Tudorovskiy Spectral Series of the Schroedinger Operator in a Thin Waveguide with a Periodic Structure. 2.

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141. S. Yu. Dobrokhotov, M. Rouleux, The semi-classical Maupertuis-Jacoby correspondence for quasi-Periodic Hamiltonian flows with applications to linear water waves theory, Asymptotic Analysis, 2011, Vol. 74, No.1,2, pp. 33–74.

142. J. Bruening, S. Yu. Dobrokhotov, D.S. Minenkov, Some Solutions of the 3-D Laplace Equation in a Layer with Oscillating Boundary Describing an Array of Nanotubes and an Application to Cold Field Emission. I. Regular Array, Russ.Jour.Math.Phys., v.18, N1, 2011, pp.400-409

143. Й. Брюнинг, В.В. Грушин, С.Ю. Доброхотов, Т. Я. Тудоровский, Обобщенное преобразование Фолди-Вутхайзена и псевдодифференциальные операторы, Теоретическая и математическая физика, Том 167, № 2, май, 2011, С. 171-192, изд. Наука,

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2012

145. Й. Брюнинг, В. В. Грушин, С.Ю. Доброхотов, Осреднение линейных операторов, адиабатическое приближение и псевдодифференциальные операторы, Математические заметки, Том 92, N 2, 2012, С. 163–180

146. J. Bruening, V. V. Grushin, S. Yu. Dobrokhotov, Approximate Formulas for the Eigenvalue of a Laplace Operator, on a Torus, Which Arises in Linear Problems with Oscillating Coefficients, Russ.Jour.Math.Phys., Vol. 19, No. 3, 2012, pp. 1–10.

147. S. Yu. Dobrokhotov, M. Rouleux, The semi-classical Maupertuis-Jacobi correspondence: stable and unstable spectra, Proceedings of The Intern.Conf. “Days of Diffraction” 2012, S.Petersburg, Russia, pp.59-64

Участие в конференциях (начиная с 2008 г.)

January 2008 International Workshop "Classical and Quantum Integrable System-2008", Protvino, Russia

March 2008 Internatinal Conference "Functional spaces. Differential operators". People's Friendship

University of Russia, Moscow, Russia

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- November 2012 Spectral analysis, stability and bifurcation in Modern nonlinear physical systems, Banff International Research Station, Banff, Canada
- November 2012 55-th Scientific Conference of Moscow Institute of Physics and Technology, Moscow