

## 2018

**120)Asymptotic theory of water windwaves in a domain with non uniform bottom**

S. Yu. Dobrokhotov, B. Tirozzi

Preprint in Russian

**119)Scalarization of stationary quasiclassical problems for a system of equations and applications to plasma physics**

A. Anikin, S. Yu. Dobrokhotov, A. I. Klevin, B. Tirozzi

Theoretical and Mathematical Physics 193(3),1761-1782, (2018)

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**118)Boltzmann machine:self-averaging properties and thermodynamic limit**

E. Agliari, A. Barra, B. Tirozzi

presented to Reviews in Mathematical Physics

## 2016

**117)Simple exact and asymptotic solutions of the 1D run-up problem over a slowly varying (quasiplanar) bottom**

S. Yu. Dobrokhotov, D. S. Minenkov, V. E. Nazaikinskii and B. Tirozzi

Theory and Applications in Mathematical Physics

In Honor of B. Tirozzi's 70th Birthday

p29, World Scientific 2016

**116)Motifs stability in hierarchical modular networks**

E. Agliari, A. Barra, F. Taviani, B. Tirozzi

Theory and Applications in Mathematical Physics

In Honor of B. Tirozzi's 70th Birthday

p1, World Scientific 2016

**115)Portfolio optimization: A mean field theory approach**

G. Rotundo, B. Tirozzi

Theory and Applications in Mathematical Physics

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**114)Analysis of MHD instabilities by Asymptotic Methods**

C. Tassii, P. Buratti, B. Tirozzi

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**113)Maslov complex germ and high-frequency gaussian beams for a cold plasma in a toroidal domain.**

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Daniela Bianchi, Pasquale De Michele, Cristina Marchetti, Brunello Tirozzi, Salvatore Cuomo, Helene Marie, Michele Migliore  
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**112) Retrieval and learning of ultrametric patterns in the hippocampus**

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**113) Asymptotics of Shallow Water Equations on the Sphere**

S. Yu. Dobrokhotov, B. Tirozzi and A. A. Tolchennikov  
*Russian Journal of Mathematical Physics*, Vol. 21, N.4, 430-449, (2014)

**114) On the averaging method for differential operators with oscillating coefficients**

S. Yu. Dobrokhotov, V. E. Nazaykinsky, B. Tirozzi  
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**115) Asymptotic theory of linear water waves in a domain with non uniform bottom with a rapidly oscillating sections**

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**109) Asymptotic Solutions of the Cauchy Problem with Localized Initial Conditions for Linearized Two-Dimensional Boussinesque-Type Equations with Variable Coefficients**

S. Yu. Dobrokhotov, S. A. Sergeev, B. Tirozzi  
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**110) Asymptotic Solutions of the Cauchy Problem with Localized Initial Conditions for Linearized Two-Dimensional Boussinesque-Type**

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