

## Анатолий Борисович Михайловский



**(22 мая 1935 — 21 декабря 2014)**

Анатолий Борисович Михайловский родился 22 мая 1935 г. В 1959 г. окончил Московский инженерно-физический институт по специальности теоретическая ядерная физика. В 1963 г. окончил аспирантуру Института атомной энергии им. И.В. Курчатова по специальности физика и химия плазмы. В 1966 году защитил докторскую диссертацию по той же специальности. 20 января 2006 года присвоено звание профессора по специальности физика плазмы. Член-корреспондент РАН с 29.05.2008 - Отделение физических наук (физика).

Область научных интересов и сфера деятельности Анатолия Борисовича - физика высокотемпературной плазмы и астрофизика. Основным предметом исследований была проблема устойчивости плазмы в задачах магнитного удержания термоядерной плазмы. А. Б. Михайловский предсказал дрейфово-циклотронную (совместно с А. В. Тимофеевым) и дрейфово-альфвеновскую неустойчивости (совместно с И. И. Рудаковым), являющиеся краеугольными камнями современной теории неустойчивостей магнитоактивной плазмы.

А. Б. Михайловским разработана общая теория неустойчивости бесстолкновительной плазмы в магнитном поле, силовые линии которого представляют собой прямые линии. Совместно с коллегами из Института Иоффе им также открыта дрейфово-коническая неустойчивость плазмы, ответственная за выброс плазмы из системы магнитных зеркал.

Совместно с Б. Б. Кадомцевым и А. В. Тимофеевым разработана теория волн с отрицательной энергией в диспергирующих средах. Им сформулирована концепция пучково-дрейфовой и других неустойчивостей.

Проведён ряд исследований коллективных явлений в плазме, заключённой в тороидальном магнитном поле, в первую очередь в токамаках. Совместно с В. Д. Шафрановым обнаружен эффект самостабилизации плазмы под высоким давлением в тороидальных системах.

Наравне с теорией термоядерной плазмы имеет ряд работ в области теории гравитирующих систем (совместно с А. М. Фридманом), релятивистской астрофизической плазмы (совместно с Р. З. Сагдеевым и Д. Г. Ломинадзе) и космической физики (совместно с О. А. Похотеловым).

Автор более чем 360 работ, опубликованных в ведущих научных журналах, 5 монографий и 13 обзоров.

Михайловский создал мощную научную школу. Среди его учеников 14 кандидатов наук, несколько докторов наук, и несколько академиков. Многие из его учеников хорошо известны в мире в термоядерном сообществе.

Доктор физико-математических наук, профессор, главный научный сотрудник отдела теории плазмы в Институте ядерного синтеза Курчатовского института, Михайловский, несомненно, является одним из мировых лидеров в области теории высоко-температурной намагниченной плазмы. Он является одним из самых признанных теоретиков в области физики плазмы.

## Список некоторых статей:

1. Mikhailovskii, AB; Churikov, AP; Pustovitov, VD.

**Zonal geodesic acoustic modes in a high-temperature plasma tokamak**

DOKLADY PHYSICS 55(9), 441-442 (2010)

2. Mikhailovskii, AB; Smolyakov, AI; Churikov, AP; Pustovitov, VD.

**Large-Scale Oscillations in a Tokamak Due to Strong Plasma Temperature Gradient**

DOKLADY PHYSICS 54(12), 525-528 (2009)

3. Mikhailovskii, AB; Smolyakova, AI; Lominadze, JG; Churikov, AP; Pustovitov, VD; Kharshiladze, OV.

**Effects of finite heat conductivity on instabilities in a rotating plasma**

PLASMA PHYSICS REPORTS 35(8), 658-667 (2009)

4. Mikhailovskii, AB; Smolyakov, AI; Churikov, AP; Pustovitov, VD.

**Zonal stability of geodesic acoustic modes in a tokamak**

PLASMA PHYSICS AND CONTROLLED FUSION 51(7), - (2009)

5. Mikhailovskii, AB; Fridman, AM; Churikov, AP; Pustovitov, VD; Smolyakov, AI.

**Ideal instabilities in a high-beta rotating cylindrical plasma in the presence of an azimuthal magnetic field and a gravitational field**

PLASMA PHYSICS AND CONTROLLED FUSION 51(4), - (2009)

6. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD.

**Progress in theory of instabilities in a rotating plasma**

PLASMA PHYSICS REPORTS 35(4), 273-314 (2009)

7. Mikhailovskii, AB; Pustovitov, VD; Galvao, RMO; Amador, CHS; Lominadze, JG; Churikov, AP; Kharshiladze, OA.

**Surface-Wave Instabilities in a Plasma Rotating with Step-like Frequency Profile**

BRAZILIAN JOURNAL OF PHYSICS 39(1), 74-85 (2009)

8. Fridman, AM; Mikhailovskii, AB.

**Instabilities of rotating gravitating media in the shallow-water model**

DOKLADY PHYSICS 54(2), 55-58 (2009)

9. Mikhailovskii, AB; Fridman, AM; Churikov, AP; Pustovitov, VD; Smolyakov, AI.

**The instability of rotating plasmas in the azimuthal magnetic field**

10. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD; Kharshiladze, OA.

**The Velikhov and Anti-Velikhov Effects in the Theory of Magnetorotational Instability**

JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 107(6), 1061-1078 (2008)

11. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Erokhin, NN; Pustovitov, VD; Kononov, SV.

**Axisymmetric Magnetorotational Instability in Ideal and Viscous Laboratory Plasmas**

PLASMA PHYSICS REPORTS 34(10), 837-846 (2008)

12. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD; Kononov, SV; Kharshiladze, OA.  
**Unified electrodynamic theory of magnetorotational and related instabilities in a rotating plasma**

PLASMA PHYSICS AND CONTROLLED FUSION 50(8), - (2008)

13. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD; Tsypin, VS; Smolyakov, AI; Erokhin, NN; Kharshiladze, OA.

**Magnetorotational instabilities in a dusty plasma**

PLASMA PHYSICS AND CONTROLLED FUSION 50(8), - (2008)

14. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD; Erokhin, NN; Tsypin, VS; Galvao, RMO.

**High-frequency extensions of magnetorotational instability in astrophysical plasmas**

PLASMA PHYSICS REPORTS 34(8), 678-687 (2008)

15. Mikhailovskii, AB; Lominadze, JG; Galvao, RMO; Churikov, AP; Erokhin, NN; Pustovitov, VD; Kononov, SV; Smolyakov, AI; Tsypin, VS.

**Ideal internal kink modes in a differentially rotating cylindrical plasma**

PLASMA PHYSICS REPORTS 34(7), 538-546 (2008)

16. Mikhailovskii, AB; Lominadze, JG; Smolyakov, AI; Churikov, AP; Pustovitov, VD; Erokhin, NN.

**Magnetic instabilities in collisionless astrophysical rotating plasma with anisotropic pressure**

PHYSICS OF PLASMAS 15(6), - (2008)

17. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Pustovitov, VD; Erokhin, NN; Kononov, SV.

**Kinetic theory of instabilities responsible for magnetic turbulence in laboratory rotating plasma**

PHYSICS LETTERS A 372(21), 3846-3851 (2008)

18. Mikhailovskii, AB; Lominadze, JG; Galvao, RMO; Churikov, AP; Erokhin, NN; Smolyakov, AI; Tsypin, VS.

**Nonaxisymmetric magnetorotational instability in ideal and viscous plasmas**

PHYSICS OF PLASMAS 15(5), - (2008)

19. Mikhailovskii, AB; Lominadze, JG; Galvao, RMO; Churikov, AP; Kharshiladze, OA; Erokhin, NN; Amador, CHS.

**Nonlocal magnetorotational instability**

PHYSICS OF PLASMAS 15(5), - (2008)

20. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Erokhin, NN; Pustovitov, VD; Kononov, SV.

**Instabilities responsible for magnetic turbulence in laboratory rotating plasma**

PHYSICS LETTERS A 372(18), 3274-3276 (2008)

21. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Erokhin, NN; Erokhin, NS; Tsypin, VS.

**Effect of pressure Anisotropy on magnetorotational instability**

JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 106(2), 371-379 (2008)

22. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Tsypin, VS; Erokhin, NN; Erokhin, NS; Konovalov, SV; Pashitskii, EA; Stepanov, AV; Vladimirov, SV; Galvao, RMO.

**Contributions to the theory of magnetorotational instability and waves in a rotating plasma**

JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 106(1), 154-165 (2008)

23. Mikhailovskii, AB; Vladimirov, SV; Lominadze, JG; Tsypin, VS; Churikov, AP; Erokhin, NN; Galvao, RMO.

**Dust-induced instability in a rotating plasma**

PHYSICS OF PLASMAS 15(1), - (2008)

24. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Erokhin, NN; Tsypin, VS.

**Magnetorotational instability in nonmagnetized plasma**

PHYSICS LETTERS A 372(1), 49-51 (2007)

25. Mikhailovskii, AB; Lominadze, JG; Galvao, RMO; Churikov, AP; Erokhin, NN; Konovalov, SV; Smolyakov, AI; Tsypin, VS.

**Resistive internal kink modes in a differentially rotating cylindrical plasma**

PHYSICS OF PLASMAS 14(11), - (2007)

26. Mikhailovskii, AB; Lominadze, JG; Galvao, RMO; Vladimirov, SV; Churikov, AP; Erokhin, NN; Smolyakov, AI; Tsypin, VS.

**Magnetorotational instability in the Hall regime in a hot-electron plasma**

PHYSICS OF PLASMAS 14(11), - (2007)

27. Mikhailovskii, AB; Lominadze, JG; Erokhin, NN; Erokhin, NS; Smolyakov, AI; Tsypin, VS.

**Effect of scalar nonlinearity on zonal flow generation by Rossby waves**

PHYSICS LETTERS A 369(3), 218-221 (2007)

28. Mikhailovskii, AB; Lominadze, JG; Churikov, AP; Erokhin, NN; Tsypin, VS; Smolyakov, AI; Galvao, RMO.

**Generation of magnetoacoustic zonal flows by Alfvén waves in a rotating plasma**

PHYSICS OF PLASMAS 14(8), - (2007)

29. Fridman, AM; Mikhailovskii, AB; Sagdeev, RZ.

**A qualitative analysis of the mechanisms of generation of the large-scale flows**

PHYSICS LETTERS A 365(1-2), 84-88 (2007)

30. Mikhailovskii, AB; Kovalishen, EA; Shirokov, MS; Tsypin, VS; Galvao, RMO.

**Effect of the magnetic field curvature on the generation of zonal flows by drift-Alfvén waves**

PLASMA PHYSICS REPORTS 33(5), 407-419 (2007)

31. Mikhailovskii, AB; Kovalishen, EA; Shirokov, MS; Smolyakov, AI.

**Wave kinetic equation approach to the problem of the generation of zonal flows by multivariable waves**

DOKLADY PHYSICS 52(4), 211-214 (2007)

- 32.** Mikhailovskii, AB; Kovalishen, EA; Shirokov, MS; Smolyakov, AI; Tsypin, VS; Galvao, RMO.  
**Generation of zonal flows by kinetic Alfvén waves**  
PLASMA PHYSICS REPORTS 33(2), 117-129 (2007)
- 33.** Mikhailovskii, AB; Shirokov, MS; Smolyakov, AI; Tsypin, VS.  
**Two-stream-like mechanism of zonal-flow generation by rossby waves in a shallow rotatine fluid**  
JETP LETTERS 84(2), 76-78 (2006)
- 34.** Chapman, IT; Sharapov, SE; Huysmans, GTA; Mikhailovskii, AB.  
**Modeling the effect of toroidal plasma rotation on drift-magnetohydrodynamic modes in tokamaks**  
PHYSICS OF PLASMAS 13(6), - (2006)
- 35.** Mikhailovskii, AB; Smolyakov, AI; Kovalishen, EA; Shirokov, MS; Tsypin, VS; Galvao, RMO.  
**Generation of zonal flows by ion-temperature-gradient and related modes in the presence of neoclassical viscosity**  
PHYSICS OF PLASMAS 13(5), - (2006)
- 36.** Mikhailovskii, AB; Smolyakov, AI; Kovalishen, EA; Shirokov, MS; Tsypin, VS; Botov, PV; Galvao, RMO.  
**Zonal flows generated by small-scale drift-Alfvén modes**  
PHYSICS OF PLASMAS 13(4), - (2006)
- 37.** Mikhailovskii, AB; Smolyakov, AI; Tsypin, VS; Kovalishen, EA; Shirokov, MS; Galvao, RMO.  
**Neoclassical generation of toroidal zonal flow by drift wave turbulence**  
PHYSICS OF PLASMAS 13(3), - (2006)
- 38.** Tsypin, VS; Mikhailovskii, AB; Shirokov, MS; Kovalishen, EA; Konovalov, SV; Galvao, RMO.  
**Nonlinear viscosity and its role in drift-Alfvén modes**  
PHYSICS OF PLASMAS 12(12), - (2005)
- 39.** Konovalov, SV; Mikhailovskii, AB; Ozeki, T; Takizuka, T; Shirokov, MS; Hayashi, N.  
**Role of anomalous transport in onset and evolution of neoclassical tearing modes**  
PLASMA PHYSICS AND CONTROLLED FUSION 47, B223-B236 (2005)
- 40.** Kovalishen, EA; Mikhailovskii, AB; Botov, PV; Shirokov, MS; Konovalov, SV; Tsypin, VS; Galvao, RMO.  
**Neoclassical magnetic microislands in tokamaks**  
PHYSICS OF PLASMAS 12(9), - (2005)
- 41.** Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Ozeki, T; Tsypin, VS.  
**Suppression of the neoclassical tearing modes in tokamaks under anomalous transverse transport conditions when the magnetic well effect predominates over the bootstrap drive**  
PLASMA PHYSICS REPORTS 31(8), 621-637 (2005)
- 42.** Mikhailovskii, AB; Shirokov, MS; Konovalov, SV; Tsypin, VS.  
**An analytic approach to developing transport threshold models of neoclassical tearing modes in tokamaks**  
PLASMA PHYSICS REPORTS 31(5), 347-368 (2005)

- 43.** Mikhailovskii, AB; Kovalishen, EA; Tsypin, VS; Galvao, RMO.  
**Unified theory of Mercier-ballooning and Alfvén eigenmodes in positive-shear tokamaks with large-orbit energetic ions**  
PHYSICS OF PLASMAS 12(4), - (2005)
- 44.** Mikhailovskii, AB; Kovalishen, EA; Konovalov, SV; Shirokov, MS.  
**Revision of the theory of energetic-particle modes in tokamaks**  
DOKLADY PHYSICS 50(3), 128-131 (2005)
- 45.** Mikhailovskii, AB; Kovalishen, EA; Shirokov, MS; Konovalov, SV.  
**Toroidal Alfvén eigenmodes in a tokamak with a population of high-energy large-orbit ions**  
PLASMA PHYSICS REPORTS 31(2), 93-103 (2005)
- 46.** Mikhailovskii, AB; Shirokov, MS; Konovalov, SV; Tsypin, VS.  
**Suppression of toroidal Alfvén eigenmodes by the density gradient of hot ions in Tokamaks**  
DOKLADY PHYSICS 49(9), 505-507 (2004)
- 47.** Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Kovalishen, EA; Ozeki, T.  
**Kinetic reversed-shear Alfvén eigenmodes**  
PHYSICS OF PLASMAS 11(9), 4531-4534 (2004)
- 48.** Konovalov, SV; Mikhailovskii, AB; Kovalishen, EA; Kamenets, FF; Ozeki, T; Shirokov, MS; Takizuka, T; Tsypin, VS.  
**External feedback effect on magnetic islands in tokamaks**  
DOKLADY PHYSICS 49(7), 405-408 (2004)
- 49.** Mikhailovskii, AB; Konovalov, SV; Shirokov, MS; Tsypin, VS.  
**Effect of the magnetic field curvature on magnetic islands in tokamaks**  
PLASMA PHYSICS REPORTS 30(7), 549-567 (2004)
- 50.** Sharapov, SE; Mikhailovskii, AB; Huysmans, GTA.  
**Effects of nonresonant hot ions with large orbits on Alfvén cascades and on magnetohydrodynamic instabilities in tokamaks**  
PHYSICS OF PLASMAS 11(5), 2286-2302 (2004)
- 51.** Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Ozeki, T.  
**The role of thermal plasma density gradient in the problem of Alfvén cascades in tokamaks**  
PHYSICS OF PLASMAS 11(5), 2303-2306 (2004)
- 52.** Mikhailovskii, AB; Kovalishen, EA; Shirokov, MS; Konovalov, SV; Tsypin, VS; Kamenets, FF; Ozeki, T; Takizuka, T.  
**Microislands in tokamaks**  
PHYSICS OF PLASMAS 11(2), 666-676 (2004)
- 53.** Severo, JHF; Nascimento, IC; Tsypin, VS; Kuznetsov, YK; Saettone, EA; Vannucci, A; Galvao, RMO; Tendler, M; Mikhailovskii, AB.  
**Magnetic islands and plasma rotation in the Tokamak Chauffage Alfvén Brésilien tokamak**  
PHYSICS OF PLASMAS 11(2), 846-848 (2004)
- 54.** Konovalov, SV; Mikhailovskii, AB; Tsypin, VS; Kovalishen, EA; Shirokov, MS; Ozeki, T; Takizuka, T.

**Effects of parallel viscosity on rotation of magnetic islands in tokamaks**

PHYSICS LETTERS A 318(4-5), 429-434 (2003)

55. Mikhailovskii, AB; Shirokov, MS; Tsypin, VS; Konovalov, SV; Ozeki, T; Takizuka, T; Galvao, RMO; Nascimento, IC.

**Transport threshold model of subsonic neoclassical tearing modes in tokamaks**

PHYSICS OF PLASMAS 10(10), 3975-3983 (2003)

56. Mikhailovskii, AB; Shirokov, MS; Tsypin, VS; Konovalov, SV; Ozeki, T; Takizuka, T; Galvao, RMO; Nascimento, IC.

**Fluid treatment of convective-transport threshold model of neoclassical tearing modes in tokamaks**

PHYSICS OF PLASMAS 10(9), 3790-3792 (2003)

57. Konovalov, SV; Mikhailovskii, AB; Tsypin, VS; Galvao, RMO; Nascimento, IC.

**Drift stabilization of internal resistive-wall modes in tokamaks**

PLASMA PHYSICS REPORTS 29(9), 779-784 (2003)

58. Mikhailovskii, AB; Churikov, AP; Konovalov, SV; Shirokov, MS; Tsypin, VS.

**Possible nature of nonideal perturbations limiting plasma pressure in tokamaks**

DOKLADY PHYSICS 48(4), 159-162 (2003)

59. Mikhailovskii, AB.

**Theory of magnetic islands in tokamaks with accenting neoclassical tearing modes**

CONTRIBUTIONS TO PLASMA PHYSICS 43(3-4), 125-177 (2003)

60. Arsenin, VV; Dlugach, ED; Kulygin, VM; Kuyanov, AY; Mikhailovskii, AB; Skovoroda, AA; Timofeev, AV; Zvonkov, AV.

**Progress in theory of linked mirrors**

FUSION SCIENCE AND TECHNOLOGY 43(1T), 147-151 (2003)

61. Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Tsypin, VS.

**Transport threshold model of neoclassical tearing modes in the presence of anomalous perpendicular viscosity**

PHYSICS OF PLASMAS 9(11), 4596-4604 (2002)

62. Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Tsypin, VS.

**Effect of anomalous perpendicular viscosity on bootstrap drive of neoclassical tearing modes**

PLASMA PHYSICS AND CONTROLLED FUSION 44(10), L51-L55 (2002)

63. Mikhailovskii, AB; Skovoroda, AA.

**Stability of alternative toroidal systems with respect to ideal local modes**

PLASMA PHYSICS AND CONTROLLED FUSION 44(9), 2033-2050 (2002)

64. Konovalov, SV; Mikhailovskii, AB; Tsypin, VS; Sharapov, SE.

**The role of the finite-orbit effect in theory of magnetic islands in tokamaks**

DOKLADY PHYSICS 47(7), 488-491 (2002)

65. Konovalov, SV; Mikhailovskii, AB; Shirokov, MS; Tsypin, VS.

**Rotation-transport threshold model of neoclassical tearing modes**

PLASMA PHYSICS AND CONTROLLED FUSION 44(5), 579-595 (2002)

66. Mikhailovskii, AB; Skovoroda, AA.  
**Stability criteria for sound modes and Alfvén modes of plasma in toroidal systems**  
DOKLADY PHYSICS 47(4), 294-296 (2002)
67. Mikhailovskii, AB; Konovalov, SV; Suramlashvili, GI; Tsypin, VS.  
**Regularization of superdrift magnetic islands for finite electron temperature**  
JOURNAL OF PLASMA PHYSICS 67, 99-114 (2002)
68. Huysmans, GTA; Sharapov, SE; Mikhailovskii, AB; Kerner, W.  
**Modeling of diamagnetic stabilization of ideal magnetohydrodynamic instabilities associated with the transport barrier**  
PHYSICS OF PLASMAS 8(10), 4292-4305 (2001)
69. Konovalov, SV; Mikhailovskii, AB.  
**Neoclassical tearing modes for a finite ratio of ion gyroradius to magnetic island width**  
PLASMA PHYSICS AND CONTROLLED FUSION 43(8), 1149-1155 (2001)
70. Mikhailovskii, AB; Konovalov, SV; Tsypin, VS.  
**Hyperviscosity of a Magnetized plasma**  
DOKLADY PHYSICS 46(3), 153-156 (2001)
71. Mikhailovskii, AB; Konovalov, SV; Tsypin, VS; Nascimento, IC; Galvao, RMO.  
**Extension of drift magnetic island theory beyond the common profile function approximation**  
PHYSICS OF PLASMAS 7(11), 4763-4765 (2000)
72. Mikhailovskii, AB; Tsypin, VS; Nascimento, IC; Galvao, RMO.  
**Possible resolution of the "main intrigue" of the neoclassical tearing mode theory**  
PHYSICS OF PLASMAS 7(8), 3474-3475 (2000)
73. Mikhailovskii, AB; Sharapov, SE; Timofeev, AV.  
**On the theory of MHD modes driven by strong  $E \times B$  velocity shear in tokamaks (vol 42, pg 57, 2000)**  
PLASMA PHYSICS AND CONTROLLED FUSION 42(7), 863-864 (2000)
74. Mikhailovskii, AB; Konovalov, SV; Pustovitov, VD; Tsypin, VS.  
**An approach to calculation of magnetic island rotation frequency**  
PHYSICS OF PLASMAS 7(6), 2530-2538 (2000)
75. Mikhailovskii, AB; Pustovitov, VD.  
**Feedback suppression of resistive wall modes in a tokamak**  
PLASMA PHYSICS REPORTS 26(6), 477-483 (2000)
76. Mikhailovskii, AB; Kuvshinov, BN; Pustovitov, VD; Sharapov, SE.  
**Suppression of neoclassical tearing modes by a magnetic well in shear-optimized discharges**  
PLASMA PHYSICS REPORTS 26(5), 375-378 (2000)
77. Mikhailovskii, AB; Pustovitov, VD; Tsypin, VS; Smolyakov, AI.  
**Regularized magnetic islands. I. Hyperviscosity and profile functions**



PHYSICS OF PLASMAS 7(4), 1204-1213 (2000)

**78.** Mikhailovskii, AB; Pustovitov, VD; Smolyakov, AI; Tsypin, VS.  
**Regularized magnetic islands. II. The role of polarization current**  
PHYSICS OF PLASMAS 7(4), 1214-1223 (2000)

**79.** Mikhailovskii, AB; Pustovitov, VD; Smolyakov, AI.  
**On collisionality dependence of the neoclassical tearing modes**  
PLASMA PHYSICS AND CONTROLLED FUSION 42(3), 309-316 (2000)

**80.** Mikhailovskii, AB; Sharapov, SE.  
**MHD modes driven by strong  $E \times B$  velocity shear in tokamaks**  
PLASMA PHYSICS AND CONTROLLED FUSION 42(1), 57-70 (2000)

**81.** Mikhailovskii, AB; Sharapov, SE.  
**Beta-induced temperature-gradient eigenmodes in tokamaks: II. Kinetic theory**  
PLASMA PHYSICS REPORTS 25(11), 838-845 (1999)

**82.** Mikhailovskii, AB; Sharapov, SE.  
**Beta-induced temperature-gradient eigenmodes in tokamaks: I. General ideas and MHD theory**  
PLASMA PHYSICS REPORTS 25(10), 803-816 (1999)

**83.** Mikhailovskii, AB.  
**Generalized MHD for numerical stability analysis of high-performance plasmas in tokamaks**  
PLASMA PHYSICS AND CONTROLLED FUSION 40(11), 1907-1921 (1998)

**84.** Tsypin, VS; Mikhailovskii, AB; Galvao, RMO; Nascimento, IC; Tendler, M; de Azevedo, CA; de Assis, AS.  
**Plasma rotation in toroidal devices with circular cross-sections**  
PHYSICS OF PLASMAS 5(9), 3358-3365 (1998)

**85.** Kuvshinov, BN; Mikhailovskii, AB.  
**Kinetic energy principle for a tokamak allowing for bounce and transit resonances**  
PLASMA PHYSICS REPORTS 24(8), 623-636 (1998)

**86.** Kuvshinov, BN; Mikhailovskii, AB.  
**Neoclassical theory of magnetic islands in tokamaks**  
PLASMA PHYSICS REPORTS 24(4), 245-262 (1998)

**87.** Mikhailovskii, AB; Huysmans, GTA; Kerner, WOK; Sharapov, SE.  
**Optimization of computational MHD normal-mode analysis for tokamaks**  
PLASMA PHYSICS REPORTS 23(10), 844-857 (1997)

**88.** Mikhailovskii, AB.  
**Effect of the current gradient on the ellipticity and triangularity of the magnetic surfaces in tokamaks and on the stability problem**  
PLASMA PHYSICS REPORTS 22(12), 1009-1016 (1996)

**89.** Mikhailovskii, AB; Onishchenko, OG.  
**Kinetic Alfvén vortices in a relativistic high-pressure electron-positron plasma**

PLASMA PHYSICS REPORTS 22(7), 590-594 (1996)

90. Kuvshinov, BN; Mikhailovskii, AB.

**One-dimensional model of the instability of external kink modes caused by the resistivity of the conducting wall in tokamaks**

PLASMA PHYSICS REPORTS 22(6), 446-451 (1996)

91. Kuvshinov, BN; Mikhailovskii, AB.

**MHD model including small-scale perturbations in a plasma with temperature variations**

PLASMA PHYSICS REPORTS 22(6), 529-534 (1996)

92. Mikhailovskii, AB; Kuvshinov, BN.

**Feedback stabilization of external kink modes in a tokamak with a resistive conducting wall**

PLASMA PHYSICS REPORTS 22(2), 172-173 (1996)

93. MIKHAILOVSKII, AB; KUVSHINOV, BN.

**EXTERNAL KINK MODES IN A TOKAMAK WITH A RESISTIVE WALL AND A HIGH-BETA ROTATING PLASMA**

PHYSICS LETTERS A 209(1-2), 83-87 (1995)

94. Lakhin, VP; Mikhailovskii, AB; Churikov, AP.

**Effect of the temperature gradient on neoclassical ideal internal kink modes**

PLASMA PHYSICS REPORTS 21(12), 1049-1050 (1995)

95. MIKHAILOVSKII, AB; KUVSHINOV, BN.

**RESISTIVE-WALL INSTABILITY OF EXTERNAL KINK MODES IN A TOKAMAK**

PLASMA PHYSICS REPORTS 21(10), 789-801 (1995)

96. MIKHAILOVSKII, AB; KUVSHINOV, BN.

**STABILIZATION OF EXTERNAL KINK MODES IN A TOKAMAK WITH ROTATING PLASMA**

PLASMA PHYSICS REPORTS 21(10), 802-816 (1995)

97. KUVSHINOV, BN; MIKHAILOVSKII, AB; SHARAPOV, SE.

**PLASMA ROTATION IN A RIPPLED-FIELD TOKAMAK IN THE ABSENCE OF A FAST-ION BEAM**

PLASMA PHYSICS REPORTS 21(9), 713-718 (1995)

98. LAKHIN, VP; MIKHAILOVSKII, AB.

**NEOCLASSICAL IDEAL INTERNAL KINK MODES IN HIGH-TEMPERATURE REGIMES IN TOKAMAKS**

PLASMA PHYSICS REPORTS 21(9), 705-712 (1995)

99. MIKHAILOVSKII, AB.

**PLASMA ROTATION IN A RIPPLED-FIELD TOKAMAK**

PLASMA PHYSICS REPORTS 21(7), 529-542 (1995)

100. MIKHAILOVSKII, AB; ONISHCHENKO, OG.

**NONLINEAR-THEORY OF KINETIC ALFVEN WAVES IN A HIGH-PRESSURE PLASMA**

PLASMA PHYSICS REPORTS 21(5), 357-363 (1995)

101. MIKHAILOVSKII, AB; LAKHIN, VP.

**NEOCLASSICAL INTERNAL KINK MODES IN TOKAMAKS**

PLASMA PHYSICS REPORTS 21(4), 271-294 (1995)

**102.** MIKHAILOVSKII, AB.

**TOROIDAL PLASMA ROTATION IN A RIPPLED TOKAMAK**

PHYSICS LETTERS A 198(2), 131-133 (1995)

**103.** LAKHIN, VP; MIKHAILOVSKII, AB.

**VISCOSITY EFFECT ON THE  $m = 1$  INTERNAL LINK MODE IN A TOKAMAK**

PHYSICS LETTERS A 191(1-2), 162-166 (1994)

**104.** KUVSHINOV, BN; MIKHAILOVSKII, AB; PUSTOVITOV, VD.

**ANALYTICAL THEORY OF KINK AND TEARING MODES IN STELLARATORS WITH A CURRENT**

PLASMA PHYSICS REPORTS 20(3), 252-256 (1994)

**105.** MIKHAILOVSKII, AB; NOVAKOVSKII, SV; ONISHCHENKO, OG.

**STRONG TURBULENCE OF SHORT-WAVELENGTH ELECTROSTATIC PERTURBATIONS OF A MAGNETIZED PLASMA**

PHYSICS LETTERS A 145(5), 272-274 (1990)

**106.** MIKHAILOVSKII, AB; NOVAKOVSKII, SV; ONISHCHENKO, OG.

**STRONG SCALE-INVARIANT TURBULENCE OF SHORT-WAVELENGTH ELECTROMAGNETIC PERTURBATIONS OF A MAGNETIZED PLASMA**

PHYSICS LETTERS A 145(5), 275-278 (1990)

**107.** MIKHAILOVSKII, AB; PUKHOV, AM; ONISHCHENKO, OG.

**NUMERICAL-SIMULATION OF KOLMOGOROV SPECTRA OF LONG-WAVELENGTH DRIFT TURBULENCE**

PHYSICS LETTERS A 141(3-4), 154-156 (1989)

**108.** MIKHAILOVSKII, AB; KUVSHINOV, BN; LAKHIN, VP; NOVAKOVSKII, SV; SMOLYAKOV, AI; SHARAPOV, SE; CHURIKOV, AP.

**ONE-FLUID APPROACH TO THE THEORY OF VISCOUS-RESISTIVE BALLOONING MODES IN A TOKAMAK .1. THE AVERAGED BALLOONING EQUATIONS**

PLASMA PHYSICS AND CONTROLLED FUSION 31(11), 1741-1758 (1989)

**109.** MIKHAILOVSKII, AB; KUVSHINOV, BN; LAKHIN, VP; NOVAKOVSKII, SV; SHARAPOV, SE; SMOLYAKOV, AI; CHURIKOV, AP.

**ONE-FLUID APPROACH TO THE THEORY OF VISCOUS-RESISTIVE BALLOONING MODES IN A TOKAMAK .2. STABILITY ANALYSIS**

PLASMA PHYSICS AND CONTROLLED FUSION 31(11), 1759-1784 (1989)

**110.** MIKHAILOVSKII, AB; NOVAKOVSKAYA, EA; LAKHIN, VP; NOVAKOVSKII, SV; ONISHCHENKO, OG; SMOLYAKOV, AI.

**CONTRIBUTION TO THEORY OF WEAKLY TURBULENT KOLMOGOROV SPECTRA OF A HOMOGENEOUS MAGNETIZED PLASMA**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 95(5), 1598-1613 (1989)

**111.** MIKHAILOVSKII, AB; NAZARENKO, SV; NOVAKOVSKII, SV; CHURICOV, AP; ONISHCHENKO, OG.

**KOLMOGOROV WEAKLY TURBULENT SPECTRA OF SOME TYPES OF DRIFT WAVES IN PLASMAS**

PHYSICS LETTERS A 133(7-8), 407-409 (1988)

- 112.** NOVAKOVSKII, SV; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**ON THE THEORY OF KOLMOGOROV SPECTRA OF DRIFT WAVE TURBULENCE**  
PHYSICS LETTERS A 132(1), 33-38 (1988)
- 113.** MIKHAILOVSKII, AB; LAKHIN, VP; NOVAKOVSKAYA, EA; ONISHCHENKO, OG.  
**DECAY INSTABILITIES AND TURBULENT SPECTRA OF ION-DRIFT WAVES**  
PHYSICS LETTERS A 132(1), 39-42 (1988)
- 114.** MIKHAILOVSKII, AB; NOVAKOVSKII, SV; LAKHIN, VP; MAKURIN, SV; NOVAKOVSKAYA, EA;  
ONISHCHENKO, OG.  
**KOLMOGOROV WEAK TURBULENCE SPECTRA FOR INHOMOGENEOUS MAGNETIZED PLASMA**  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 94(7), 159-171 (1988)
- 115.** LAKHIN, VP; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**DRIFT SOLITONS**  
PLASMA PHYSICS AND CONTROLLED FUSION 30(4), 457-470 (1988)
- 116.** LAKHIN, VP; MAKURIN, SV; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**DISPERSION ION-DRIFT HYDRODYNAMICS**  
JOURNAL OF PLASMA PHYSICS 38, 387-405 (1987)
- 117.** LAKHIN, VP; MAKURIN, SV; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**VORTICES OF ION-DRIFT AND RELATED WAVES**  
JOURNAL OF PLASMA PHYSICS 38, 407-425 (1987)
- 118.** ABURDZHANIYA, GD; LAKHIN, VP; MIKHAILOVSKII, AB.  
**NONLINEAR REGULAR STRUCTURES OF DRIFT MAGNETOACOUSTIC WAVES**  
JOURNAL OF PLASMA PHYSICS 38, 373-386 (1987)
- 119.** LAKHIN, VP; MIKHAILOVSKY, AB; SMOLYAKOV, AI.  
**ALFVEN VORTICES IN A PLASMA WITH A FINITE ION TEMPERATURE**  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 92(5), 1601-1611 (1987)
- 120.** MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**DRIFT INSTABILITIES OF A RELATIVISTIC PLASMA .1. KINETIC DESCRIPTION OF DRIFT EFFECTS IN A RELATIVISTIC PLASMA**  
JOURNAL OF PLASMA PHYSICS 37, 15-28 (1987)
- 121.** MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**DRIFT INSTABILITIES OF A RELATIVISTIC PLASMA .2. KINETIC-THEORY OF LOW-FREQUENCY DRIFT INSTABILITIES OF A RELATIVISTIC FINITE-PRESSURE PLASMA**  
JOURNAL OF PLASMA PHYSICS 37, 29-43 (1987)
- 122.** LAKHIN, VP; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**REVISION OF THE THEORY OF DRIFT SOLITONS**  
PHYSICS LETTERS A 119(7), 348-350 (1987)
- 123.** MIKHAILOVSKII, AB; LAKHIN, VP; ABURDZHANIYA, GD; MIKHAILOVSKAYA, LA; ONISHCHENKO, OG; SMOLYAKOV, AI.

## **ON THE THEORY OF ALFVEN VORTICES**

PLASMA PHYSICS AND CONTROLLED FUSION 29(1), 1-25 (1987)

**124.** KUDASHEV, VR; MIKHAILOVSKY, AB.

### **INSTABILITY OF PERIODIC-WAVES DESCRIBED BY THE NONLINEAR SCHROEDINGER EQUATION**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 90(5), 1656-1668 (1986)

**125.** MIKHAILOVSKII, AB; ONISHCHENKO, OG; SMOLYAKOVA, AI.

### **THEORY OF THE MICROSTRUCTURE IN PULSAR RADIOEMISSION**

ASTRONOMICHESKII ZHURNAL 63(2), 410-410 (1986)

**126.** KALADZE, TD; MIKHAILOVSKII, AB; TSAMALASCHVILI, LV.

### **TO THE THEORY OF CYCLOTRON INSTABILITY DUE TO CIRCULATING ALPHA-PARTICLES IN A TOKAMAK REACTOR**

CZECHOSLOVAK JOURNAL OF PHYSICS 35(5), 518-531 (1985)

**127.** MIKHAILOVSKII, AB; ONISHCHENKO, OG; TATARINOV, EG.

### **ALFVEN SOLITONS IN A RELATIVISTIC ELECTRON POSITRON PLASMA .1. HYDRODYNAMIC THEORY**

PLASMA PHYSICS AND CONTROLLED FUSION 27(5), 527-537 (1985)

**128.** MIKHAILOVSKII, AB; ONISHCHENKO, OG; TATARINOV, EG.

### **ALFVEN SOLITONS IN A RELATIVISTIC ELECTRON POSITRON PLASMA .2. KINETIC-THEORY**

PLASMA PHYSICS AND CONTROLLED FUSION 27(5), 539-556 (1985)

**129.** MIKHAILOVSKII, AB; ONISHCHENKO, OG; SMOLYAKOV, AI.

### **AN INTERPRETATION OF PULSAR RADIO MICROPULSES**

SOVIET ASTRONOMY LETTERS 11(2), 78-80 (1985)

**130.** MIKHAILOVSKII, AB; MAKURIN, SV; SMOLYAKOV, AI.

### **STABILITY OF NONLINEAR PERIODIC-WAVES IN WEAKLY DISPERSIVE MEDIA**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 89(5), 1603-1623 (1985)

**131.** MIKHAILOVSKII, AB; LAKHIN, VP; ONISHCHENKO, OG; SMOLYAKOV, AI.

### **ROLE OF VECTOR NONLINEARITY IN THE PROBLEM OF SOLITON INSTABILITY IN A MAGNETIZED PLASMA**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 88(3), 798-809 (1985)

**132.** MIKHAILOVSKII, AB; ABURDZHANIYA, GD; ONISHCHENKO, OG; SMOLYAKOV, AI.

### **STRUCTURE OF NONLINEAR EQUATIONS OF A MAGNETIZED PLASMA AND THE PROBLEM OF STABILITY OF MAGNETOACOUSTIC SOLITONS**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 89(2), 482-497 (1985)

**133.** MIKHAILOVSKY, AB; SMOLYAKOV, AI.

### **CONTRIBUTION TO THE THEORY OF LOW-FREQUENCY MAGNETOSONIC SOLITONS**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 88(1), 189-204 (1985)

**134.** MIKHAILOVSKII, AB; MARCHENKO, VA; SMOLYAKOV, AI; ABURDZHANIYA, GD; ONISHCHENKO, OG.

### **3-DIMENSIONAL INSTABILITY OF THE HIGH-FREQUENCY MAGNETOACOUSTIC SOLITONS**

PLASMA PHYSICS AND CONTROLLED FUSION 27(2), 225-227 (1985)

**135.** KURKO, OV; MIKHAILOVSKII, AB.  
**ON THE THEORY OF ION-CYCLOTRON INSTABILITIES IN COLLISIONAL ROTATING PLASMA**  
BEITRAGE AUS DER PLASMAPHYSIK-CONTRIBUTIONS TO PLASMA PHYSICS 24(4), 317-334 (1984)

**136.** MIKHAILOVSKII, AB; TSYPIN, VS.  
**TRANSPORT-EQUATIONS OF PLASMA IN A CURVILINEAR MAGNETIC-FIELD**  
BEITRAGE AUS DER PLASMAPHYSIK-CONTRIBUTIONS TO PLASMA PHYSICS 24(4), 335-354 (1984)

**137.** MIKHAILOVSKII, AB; KUDASHEV, VR; LAKHIN, VP; MIKHAILOVSKAYA, LA; SMOLYAKOV, AI;  
SHISHKOV, SY.  
**CHAINS OF ROSSBY SOLITONS AND GRADIENT SOLITONS**  
JETP LETTERS 40(7), 1054-1056 (1984)

**138.** MIKHAILOVSKII, AB; ABURDZHANIYA, GD; MAKURIN, SV; ONISHCHENKO, OG.  
**ION-DRIFT SOLITON**  
PHYSICS LETTERS A 105(1-2), 45-47 (1984)

**139.** ABURDZHANIYA, GD; KAMENETS, FF; LAKHIN, VP; MIKHAILOVSKII, AB; ONISHCHENKO, OG.  
**ELECTRON-DRIFT SOLITONS IN AN INHOMOGENEOUS MAGNETIZED PLASMA**  
PHYSICS LETTERS A 105(1-2), 48-50 (1984)

**140.** MIKHAILOVSKII, AB; ABURDZHANIYA, GD; ONISHCHENKO, OG; SHARAPOV, SE.  
**SHORT-WAVELENGTH DRIFT VORTICES**  
PHYSICS LETTERS A 104(2), 94-96 (1984)

**141.** MIKHAILOVSKII, AB; ABURDZHANIYA, GD; ONISHCHENKO, OG; CHURIKOV, AP.  
**ALFVEN VORTEX SOLUTION IN A HOMOGENEOUS MAGNETIZED PLASMA**  
PHYSICS LETTERS A 101(5-6), 263-264 (1984)

**142.** ABURDZHANIYA, GD; MIKHAILOVSKII, AB; SHARAPOV, SE.  
**SHORT-WAVELENGTH DRIFT SOLITONS**  
PHYSICS LETTERS A 100(3), 134-136 (1984)

**143.** MIKHAILOVSKII, AB; ABURDZHANIYA, GD; ONISHCHENKO, OG; SHARAPOV, SE.  
**BALLOONING VORTEX IN A MAGNETIZED PLASMA**  
PHYSICS LETTERS A 100(9), 503-506 (1984)

**144.** MIKHAILOVSKII, AB; SURAMLISHVILI, GI; KUDASHEV, VR; TATARINOV, EG.  
**MAGNETIC-FIELD GENERATION IN A RELATIVISTIC PLASMA WITH HIGH-FREQUENCY WAVES**  
PLASMA PHYSICS AND CONTROLLED FUSION 26(3), 493-510 (1984)

**145.** ABURDZHANIYA, GD; MIKHAILOVSKII, AB; SHARAPOV, SE.  
**RESONANT AND DISSIPATIVE INTERACTION OF DRIFT SOLITONS WITH PARTICLES**  
PLASMA PHYSICS AND CONTROLLED FUSION 26(4), 603-612 (1984)

**146.** MIKHAILOVSKII, AB; LAKHIN, VP; MIKHAILOVSKAYA, LA.  
**ROLE OF PLASMA COMPRESSIBILITY IN THE PROBLEM OF GRADIENT SOLITONS**  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 87(4), 1221-1231 (1984)

147. MIKHAILOVSKII, AB; LAKHIN, VP; MIKHAILOVSKAYA, LA; ONISHCHENKO, OG.

**THEORY OF VORTEXES IN A PLASMA**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 86(6), 2061-2074 (1984)

148. KAMENETS, FF; KUDASHEV, VR; LAKHIN, VP; MIKHAILOVSKY, AB; SURAMLISHVILI, GI.

**ANISOTROPIC MECHANISM OF MAGNETIC-FIELD GENERATION IN A COLLISION-DOMINATED PLASMA LOCATED IN A HIGH-FREQUENCY FIELD**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 86(1), 110-119 (1984)

149. KUDASHEV, VR; MIKHAILOVSKII, AB; SURAMLISHVILI, GI.

**THE LOW-FREQUENCY MODE OF ELECTROMAGNETIC PARAMETRIC-INSTABILITIES OCCURRING IN RELATIVISTIC PLASMAS**

PHYSICA SCRIPTA 29(5), 490-493 (1984)

150. MIKHAILOVSKII, AB; SURAMLISHVILI, GI; KUDASHEV, VR; TATARINOV, EG.

**MAGNETO-TRANSFORMATIONAL INSTABILITY OF A RELATIVISTIC PLASMA WITH LANGMUIR-WAVES**

PHYSICS LETTERS A 102(1-2), 34-35 (1984)

151. MIKHAILOVSKII, AB; SURAMLISHVILI, GI; KUDASHEV, VR; TATARINOV, EG.

**STABILIZATION OF THE MAGNETO-MODULATIONAL INSTABILITY IN RELATIVISTIC PLASMAS**

PHYSICS LETTERS A 101(3), 137-138 (1984)

152. MIKHAILOVSKII, AB; KUDASHEV, VR; SURAMLISHVILI, GI.

**NON-LINEAR GENERATION OF MAGNETIC-FIELDS IN COLLISIONLESS PLASMA**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 84(5), 1712-1724 (1983)

153. KALADZE, TD; MIKHAILOVSKY, AB.

**CYCLOTRON EXCITATION OF FAST MAGNETOSONIC WAVES BY CIRCULATING THERMONUCLEAR ALPHA-PARTICLES IN A TOKAMAK**

PHYSICS LETTERS A 94(6-7), 293-294 (1983)

154. MIKHAILOVSKII, AB.

**ON THE MAXWELLIAN REGIMES OF THE ELECTRON COMPONENT IN THE PLASMACHEMICAL REACTORS OF BEAM-PLASMA TYPE**

BEITRAGE AUS DER PLASMAPHYSIK-CONTRIBUTIONS TO PLASMA PHYSICS 23(3), 245-260 (1983)

155. MIKHAILOVSKII, AB; ONISHCHENKO, OG; SMOLYAKOV, AI.

**KINETIC DESCRIPTION OF A RELATIVISTIC PLASMA WITH A ONE-DIMENSIONAL MOMENTUM DISTRIBUTION IN INITIAL STATE**

PHYSICS LETTERS A 97(3), 103-104 (1983)

156. KUDASHEV, VR; MIKHAILOVSKII, AB; SURAMLISHVILI, GI.

**MAGNETO-MODULATIONAL INSTABILITY OF MONOCHROMATIC LANGMUIR WAVE**

PHYSICS LETTERS A 93(8), 409-410 (1983)

157. KUDASHEV, VR; MIKHAILOVSKII, AB; SURAMLISHVILI, GI.

**MAGNETO-MODULATIONAL INSTABILITY OF A RELATIVISTIC ELECTRON POSITRON PLASMA**

PHYSICS LETTERS A 93(3), 124-126 (1983)

- 158.** MIKHAILOVSKII, AB.  
**HYDRODYNAMIC THEORY OF DRIFT KELVIN-HELMHOLTZ INSTABILITIES**  
JOURNAL OF PLASMA PHYSICS 28(AUG), 1-11 (1982)
- 159.** MIKHAILOVSKII, AB.  
**DAMPING AND EXCITATION OF LANGMUIR-WAVES IN AN INHOMOGENEOUS RELATIVISTIC PLASMA - GENERAL-THEORY AND PULSAR APPLICATIONS**  
PLASMA PHYSICS AND CONTROLLED FUSION 24(1), 1-18 (1982)
- 160.** MIKHAILOVSKII, AB; YURCHENKO, EI.  
**ANALYTICAL THEORY OF THE IDEAL SHEAR-DRIVEN BALLOONING MODE IN TOKAMAK**  
PLASMA PHYSICS AND CONTROLLED FUSION 24(8), 977-985 (1982)
- 161.** MIKHAILOVSKII, AB; ONISHCHENKO, OG; SURAMLISHVILI, GI; SHARAPOV, SE.  
**THE EMERGENCE OF ELECTROMAGNETIC-WAVES FROM PULSAR MAGNETOSPHERES**  
SOVIET ASTRONOMY LETTERS 8(6), 369-371 (1982)
- 162.** MIKHAILOVSKY, AB; TSYPIN, VS.  
**DRIFT TRANSFER EQUATIONS FOR A PLASMA**  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 83(1), 139-148 (1982)
- 163.** MIKHAILOVSKII, AB.  
**ON THEORY OF CHERENKOV INSTABILITY OF ULTRA-RELATIVISTIC BEAMS WITH ONE-DIMENSIONAL DISTRIBUTION OF MOMENTA OF PARTICLES**  
PLASMA PHYSICS AND CONTROLLED FUSION 23(5), 413-424 (1981)
- 164.** MIKHAILOVSKII, AB; KLIMENKO, VA.  
**THE MICROINSTABILITIES OF A HIGH-BETA PLASMA-FLOW WITH A NONUNIFORM VELOCITY PROFILE**  
JOURNAL OF PLASMA PHYSICS 24(DEC), 385-407 (1980)
- 165.** MIKHAILOVSKII, AB.  
**OSCILLATIONS OF AN ISOTROPIC RELATIVISTIC PLASMA**  
PLASMA PHYSICS AND CONTROLLED FUSION 22(2), 133-149 (1980)
- 166.** MIKHAILOVSKII, AB; SVIMONISHVILI, II; SURAMLISHVILI, GI.  
**EFFECT OF IMPURITIES ON NONPOTENTIAL INSTABILITIES IN TOKAMAKS**  
PLASMA PHYSICS AND CONTROLLED FUSION 22(9), 933-947 (1980)
- 167.** LOMINADZE, DG; MACHABELI, GZ; MIKHAILOVSKII, AB; OCHELKOV, YP; USOV, VV.  
**NATURE OF HIGH-PARTICLE EMISSION OF PULSARS AND ACTIVITY OF RESIDUAL SUPER-NOVA**  
USPEKHI FIZICHESKIKH NAUK 131(3), 516-518 (1980)
- 168.** Mikhailovskii, AB.  
**Non-linear generation of electromagnetic waves in a relativistic electron-positron plasma**  
Fizika Plazmy 6(3), (1980)
- 169.** LOMINADZE, JG; MACHABELI, GZ; MIKHAILOVSKY, AB.  
**RELATIVISTIC ELECTRON-POSITRON PLASMA QUASILINEAR RELAXATION AT THE PRESENCE OF MAGNETIC BREMSSTRAHLUNG**  
JOURNAL DE PHYSIQUE 40 Supplement: , 713 (1979)



- 170.** Lominadze, DG; Mikhailovskii, AB; Sagdeev, RZ.  
**Langmuir turbulence of a relativistic plasma in a strong magnetic field**  
JETP 50, 927 (1979)
- 171.** Mikhailovskii, AB; Petviashvili, VI; Fridman, AM.  
**Nonlinear stability theory for a rotating gravitating disk**  
Soviet Astronomy 23(2), (1979)
- 172.** KALADZE, TD; LOMINADZE, JG; MIKHAILOVSKII, AB; KHVOLES, AR; TSAMALASCHVILI, LV.  
**TO THE THEORY OF CYCLOTRON INSTABILITY OF TRAPPED ALPHA-PARTICLES IN TOKAMAK REACTOR**  
CZECHOSLOVAK JOURNAL OF PHYSICS 29(7), 744 (1979)
- 173.** Krymskii, AM; Mikhailovskii, AB.  
**Suppression of the internal helical instability of the  $m=1$  mode in a Tokamak at high beta J**  
Fizika Plazmy 5(3), (1979)
- 174.** LOMINADZE, DG; MIKHAILOVSKY, AB.  
**LONGITUDINAL-WAVES AND BEAM INSTABILITY IN A RELATIVISTIC PLASMA**  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 76(3), 959 (1979)
- 175.** MIKHAILOVSKY, AB; PETVIASHVILI, VI; FRIDMAN, AM.  
**NON-LINEAR INSTABILITY THEORY OF A ROTATING GRAVITATING DISK**  
ASTRONOMICHESKII ZHURNAL 56(2), 279 (1979)
- 176.** Mikhailovskii, AB; Suramlishvili, GI.  
**Kinetic method of study of the drift phenomena in the MHD modes of a Tokamak**  
Fizika Plazmy 5(4), (1979)
- 177.** Mikhailovskii, AB.  
**On the hierarchy of pulsar-plasma instabilities**  
Pis'ma v Astronomicheskie Zhurnal 5(11), (1979)
- 178.** MIKHAILOVSKII, AB; ABURDZHANIYA, KD.  
**MERCIER CRITERION FOR A FINITE-PRESSURE PLASMA IN ARBITRARY-SHAPED MAGNETIC AXIS CONFIGURATIONS**  
PLASMA PHYSICS AND CONTROLLED FUSION 21(2), 109 (1979)
- 179.** Lominadze, DG; Mikhailovskii, AB.  
**Longitudinal waves and two-stream instability in a relativistic plasma**  
Sov. Phys. JETP. 49, 483 (1979)
- 180.** Aburdzhaniya, KhD; Mikhailovskii, AB.  
**High pressure plasma stability in the near-axial region of toroidal traps**  
Fizika Plazmy 4(1), (1978)
- 181.** MEERSON, BI; MIKHAILOVSKII, AB; POKHOTELOV, OA.  
**EXCITATION OF ALFVEN WAVES BY FAST PARTICLES IN A FINITE PRESSURE PLASMA OF ADIABATIC TRAPS**

JOURNAL OF PLASMA PHYSICS 20(AUG), 137 (1978)

**182.** Belikov, VS; Kolesnichenko, YaI; Mikhailovskii, AB; Yavorskii, VA.  
**Thermonuclear Alfvén instabilities in a Tokamak reactor**  
Fizika Plazmy 3(2), (1977)

**183.** Mikhailovskii, AB.  
**Review of instability theory for high pressure Tokamak plasma**  
Technical report , (1978)

**184.** MEERSON, BI; MIKHAILOVSKII, AB; POKHOTELOV, OA.  
**MICRO-INSTABILITIES DUE TO FAST IONS IN A HIGH-PRESSURE PLASMA IN A CURVED MAGNETIC-FIELD**  
PLASMA PHYSICS AND CONTROLLED FUSION 19(12), 1177 (1977)

**185.** Mikhailovskii, AB; Pokhotelov, OA.  
**Excitation of Alfvén waves by fast ions in a finite-beta plasma**  
Soviet Physics - Technical Physics 22(7), (1977)

**186.** KARPMAN, VI; MEERSON, BI; MIKHAILOVSKY, AB; POKHOTELOV, OA.  
**EFFECTS OF BOUNCE RESONANCES ON WAVE GROWTH-RATES IN MAGNETOSPHERE**  
PLANETARY AND SPACE SCIENCE 25(6), 573 (1977)

**187.** Mikhailovskii, AB; Frenkel', AL.  
**A contribution to the theory of 'drift' fusion instabilities in a Tokamak reactor**  
Fizika Plazmy 3(6), (1977)

**188.** MIKHAILOVSKII, AB; PETVIASHVILI, VI; FRIDMAN, AM.  
**HELICAL DENSITY WAVES IN FLAT GALAXIES-MOVING SOLITONS**  
JETP LETTERS 26(3), 121 (1977)

**189.** MIKHAILOVSKII, AB; PETVIASHVILI, VI; FRIDMAN, AM.  
**EXPLOSIVE INSTABILITY OF A ROTATING GRAVITATING DISK**  
JETP LETTERS 26(4), 227 (1977)

**190.** Mikhailovskii, AB; Petviashvili, VI; Fridman, AM.  
**Explosive instability of rotating gravitating disc**  
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 26(4), (1977)

**191.** MIKHAILOVSKII, AB; POKHOTELOV, OA.  
**EXCITATION OF ALFVEN WAVES BY FAST IONS IN FINITE PRESSURE PLASMA**  
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 47(7), 1355 (1977)

**192.** Mikhailovskii, AB; Petvili, VI; Fridman, AM.  
**Spiral density waves in plane galaxies-moving solitons**  
Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 26(3), (1977)

**193.** Mikhailovskii, AB.  
**Short-wave instabilities of trapped electrons in the Tokamak at high plasma pressures**  
Soviet Physics - Doklady 21(6), (1976)

**194.** Bizli, K.; Lominadze, DG; Mikhailovskii, AB.  
**Stimulation of shortwave Alfvén waves by high-energy ions in Tokamak**

Fizika Plazmy 2(1), (1976)

**195.** Kaladze, TD; Mikhailovskii, AB; Potapov, AS; Pokhotelov, OA.

**The role of longitudinal inhomogeneity of the magnetic field in the theory of the cyclotron instability of the plasmasphere**

Fizika Plazmy 2(4), (1976)

**196.** MIKHAILOVSKY, AB; SHUKHMAN, IG.

**EFFECT OF TRAPPED ELECTRONS ON ALFVEN WAVES IN TOKAMAK**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 71(11), 1813 (1976)

**197.** Mikhailovskii, AB; Pokhotelov, OA.

**Nonpotential instability of trapped electrons in the magnetosphere**

Fizika Plazmy 2(6), (1976)

**198.** MIKHAILOVSKII, AB; PETVIASHVILI, VI; FRIDMAN, AM.

**ALFVEN SOLITON**

JETP LETTERS 24(2), 43 (1976)

**199.** MIKHAILOVSKII, AB.

**SHORT-WAVE DISSIPATIVE INSTABILITY ON TRAPPED ELECTRONS**

JETP LETTERS 23(8), 394 (1976)

**200.** MIKHAJLOVSKIJ, AB; FRIDMAN, AM.

**ROLE OF FINITE-ORBIT EFFECTS IN THEORY OF SHORT-WAVELENGTH NON-POTENTIAL OSCILLATIONS IN A TOKAMAK PLASMA**

NUCLEAR FUSION 16(5), 837 (1976)

**201.** KOZHEVNIKOV, AA; MIKHAILOVSKY, AB; POKHOTELOV, OA.

**ROLE OF PROTONS OF RADIATION BELTS IN GENERATION OF PC 3-5**

PLANETARY AND SPACE SCIENCE 24(5), 465 (1976)

**202.** Kaladze, TD; Mikhailovskii, AB.

**Cyclotron `thermonuclear' instability in a tokamak reactor**

Fizika Plazmy 1(2), (1975)

**203.** Mikhailovskii, A B.

**Theory of Plasma Instabilities, Vol. 1: Instabilities of Homogeneous Plasma 1, 272 (1975)**

**204.** Mikhailovskii, AB; Pokhotelov, OA.

**Influence of whistlers and ion-cyclotron oscillations on excitation of Alfven-waves in magnetospheric plasma**

Fizika Plazmy 1(6), (1975)

**205.** MIKHAJLOVSKIJ, AB.

**STABILITY-CRITERION OF G-MODE IN A TOROIDAL PLASMA**

NUCLEAR FUSION 15(1), 95 (1975)

**206.** MIKHAILOVSKII, AB.

**DRIFT THERMONUCLEAR INSTABILITIES**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 68(5), 1772 (1975)

207. MIKHAILO AB; SHAFRANO VD.

**SELF-STABILIZATION EFFECT OF A HIGH-PRESSURE PLASMA IN TOROIDAL TRAPS**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 66(1), 190 (1974)

209. Mikhailovski, AB.

**Theory of Plasma Instabilities: Vol. 1, Instabilities of a Homogeneous Plasma 1, (1974)**

210. Mikhailovskii, A B.

**Theory of Plasma Instabilities, Vol. 2, Instabilities in an Inhomogeneous Plasma 2, (1974)**

211. Mikhailovskii, AB.

**Contribution to the theory of local hydromagnetic stability of toroidal plasma configurations**

Soviet Physics - JETP 37(2), (1973)

212. Mikhailovskii, AB; Fridman, AM.

**'Fast' and 'slow' density waves in spiral galaxies**

Soviet Astronomy 17(1), (1973)

213. MIKHAILOVSKII, AB.

**DRIFT INSTABILITIES DISTORTING MAGNETIC SURFACES OF TOKAMAK-TYPE TOROIDAL SYSTEMS**

NUCLEAR FUSION 13(2), 259 (1973)

214. MIKHAILOVSKII, AB; FRIDMAN, AM.

**FAST AND SLOW DENSITY WAVES IN SPIRAL GALAXIES**

ASTRONOMICHESKII ZHURNAL 50(1), 88 (1973)

215. MIKHAILOVSKII, AB.

**THEORY OF LOCAL HYDROMAGNETIC STABILITY OF TOROIDAL PLASMA CONFIGURATIONS**

ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 64(2), 536 (1973)

216. MIKHAILOVSKII, AB; SHAFRANO, VD.

**HYDROMAGNETIC STABILITY OF STELLARATORS OF SPITZERS FIGURE-8 TYPE AT HIGH PLASMA PRESSURE**

JETP LETTERS 18(3), 124 (1973)

217. BISNOVAT, GS; MIKHAILOVSKII, AB.

**GRADIENT INSTABILITY IN SYSTEM OF GRAVITATING POINT MASSES**

ASTRONOMICHESKII ZHURNAL 50(2), 312 (1973)

218. MIKHAILOVSKII, AB; FRIDMAN, AM.

**BEAM INSTABILITY IN GRAVITATING MEDIA**

SOVIET PHYSICS JETP-USSR 34(2), 243 (1972)

219. MIKHAILOVSKII, AB.

**DRIFT WAVE STABILITY UNDER LINEAR THETA-PINCH CONDITIONS**

NUCLEAR FUSION 12(1), 55 (1972)

220. KULYGIN, VM; MIKHAILOVSKII, AB; TSAPELKI, ES.

**QUASI-LINEAR RELAXATION OF FAST IONS MOVING TRANSVERSE TO A MAGNETIC FIELD**

PLASMA PHYSICS 13(12), 1111 (1971)

221. MIKHAILOVSKII, AB.

**ION-CYCLOTRON DRIFT INSTABILITY IN A FINITE-BETA PLASMA**

NUCLEAR FUSION 11(4), 323 (1971)

222. MIKHAILOVSKII, AB; TSYPIN, VS.

**TRANSPORT EQUATIONS AND GRADIENT INSTABILITIES IN A HIGH PRESSURE COLISIONAL PLASMA**

PLASMA PHYSICS 13(9), 785 (1971)

223. MIKHAILOVSKII, AB.

**INSTABILITY OF FINITE PRESSURE INHOMOGENEOUS PLASMA IN A LONGITUDINALLY INHOMOGENEOUS MAGNETIC FIELD**

PLASMA PHYSICS 13(10), 955 (1971)

224. MIKHAILOVSKII, AB; FRIDMAN, AM.

**INSTABILITIES OF FORCE-FREE HIGH BETA PLASMA**

PLASMA PHYSICS 13(12), 1163 (1971)

225. MIKHAILOVSKII, AB; TSYPIN, VS.

**INSTABILITY OF ENTROPY WAVES DUE TO GYRORELAXATION EFFECTS IN A PLASMA OF FINITE PRESSURE**

SOVIET PHYSICS JETP-USSR 32(2), 287 (1971)

226. MIKHAILOVSKII, AB; FRIDMAN, AM; EPELBAUM, YG.

**METHODS OF PLASMA THEORY AND PROBLEMS OF GRAVITATIONAL STABILITY**

SOVIET PHYSICS JETP-USSR 32(5), 878 (1971)

227. Mikhailovskii, AB; Fridman, AM.

**Beam instability in gravitating media**

Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 61(2), (1971)

228. Mikhailovskii, AB.

**Theory of Plasma Instabilities, Vol. 1: Instabilities of a Homogeneous Plasma 1, (1971)**

229. Mikhailovskii, AB.

**Theory of Plasma Instabilities, Vol. 2: Instabilities of an Inhomogeneous Plasma 2, (1971)**

230. Rodionov, BN; Isavnina, IV; Avdeev, YuF; Blagov, VD; Dorofeev, AS; Dunaev, BS; Ziman, YaL; Kiselev, VV; Krasikov, VA; Lebedev, ON; Mikhailovskii, AB; Tishchenko, AP; Nepoklonov, BV; Samoilov, VK; Truskov, FM; Chesnokov, YuM; Fivenskii, YuI.

**New data on the Moon's figure and relief based on results from the reduction of Zond-6 photographs**

Cosmic Research 9(3), (1971)

231. Mikhailovskii, AB.

**Instability of an inhomogeneous high-pressure plasma in a uniform magnetic field**

Soviet Physics - Doklady 15(5), (1970)

232. MIKHAILOVSKII, AB; FRIDMAN, AM.

**RESONANT INTERACTION OF PARTICLES WITH AN ALFVEN WAVE IN AN INHOMOGENEOUS PLASMA WITH FINITE PRESSURE**

SOVIET PHYSICS TECHNICAL PHYSICS-USSR 12(10), 1305 (1968)

233. MIKHAILOVSKII, AB.

**MACROSCOPIC DESCRIPTION OF A COLLISION PLASMA IN A STRONG MAGNETIC FIELD IN STABILITY PROBLEMS**

SOVIET PHYSICS JETP-USSR 25(4), 623 (1967)

234. MIKHAILOVSKII, AB.

**MOST DANGEROUS INSTABILITIES OF A COLLISION-DOMINATED PLASMA IN A MAGNETIC FIELD**

SOVIET PHYSICS JETP-USSR 25(5), 831 (1967)

235. MIKHAILOVSKII, AB; FRIDMAN, AM.

**DRIFT WAVES IN A FINITE-PRESSURE PLASMA**

SOVIET PHYSICS JETP-USSR 24(5), 965 (1967)

236. Mikhailovskii, AB.

**The electron temperature instability of a non-uniform plasma**

Zhurnal Tekhnicheskoi Fiziki 37(8), (1967)

237. MIKHAILOVSKII, AB; TSYPIN, VS.

**HIGH-FREQUENCY INSTABILITY OF A PLASMA IN A RADIAL ELECTRIC AND LONGITUDINAL MAGNETIC FIELD**

JETP LETTERS-USSR 3(6), 158 (1966)

238. MIKHAILOVSKII, AB; PASHITSK, EA.

**STABILITY OF AN ION BEAM INJECTED INTO A PLASMA ACROSS A MAGNETIC FIELD**

SOVIET PHYSICS TECHNICAL PHYSICS-USSR 10(11), 1507 (1966)

239. MIKHAILOVSKII, AB; POGUTSE, OP.

**KINETIC THEORY OF OSCILLATIONS OF AN INHOMOGENEOUS PLASMA WITH COLLISIONS**

SOVIET PHYSICS TECHNICAL PHYSICS-USSR 11(2), 153 (1966)

240. MIKHAILOVSKII, AB; RUKHADZE, AA.

**INSTABILITIES OF ELECTRON WAVES IN INHOMOGENEOUS PLASMA STREAMS**

SOVIET PHYSICS TECHNICAL PHYSICS-USSR 10(12), 1644 (1966)

241. Mikhailovsky, AB; Fridman, AM.

**Drift waves in a finite pressure plasma**

Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 51(5(11)), (1966)

242. KADOMTSE, BB; MIKHAILOVSKII, AB; TIMOFEEV, AV.

**NEGATIVE ENERGY WAVES IN DISPERSIVE MEDIA**

SOVIET PHYSICS JETP-USSR 20(6), 1517 (1965)

243. MIKHAILOVSKII, AB.

**DRIFT CYCLOTRON INSTABILITY OF A PLASMA WITH HOT IONS**

NUCLEAR FUSION 5(2), 125 (1965)

244. MIKHAILOVSKII, AB; TSYPIN, VS.

**FLUTE INSTABILITY OF A PLASMA WITH NONZERO ION LAMOR RADIUS AND NONZERO PRESSURE**

NUCLEAR FUSION 5(3), 240 (1965)

245. MIKHAILOVSKII, AB; PASHITSK, EA.

**SURFACE WAVES IN A PLASMA WITH A CURRENT**

SOVIET PHYSICS JETP-USSR 21(6), 1197 (1965)

246. Mikhailovskii, AB; Rukhadze, AA.

On the instability of electron waves in non-uniform plasma streams

Zhurnal Tekhnicheskoi Fiziki 35(12), (1965)

247. MIKHAILOVSKII, LV; MIKHAILOVSKII, AB.

**CORRECTIONS TO FLUTE INSTABILITY OF AN AXIALLY-SYMMETRIC PLASMA WITH A FINITE ION LAMOR RADIUS**

NUCLEAR FUSION 5(3), 249 (1965)

248. Kadomtsev, BB; Mikhailovskii, AB; Timofeev, AV.

**Negative energy waves in dispersive media**

Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 47(6(12)), (1964)

249. MIKHAILOVSKY, AB.

**DIAGRAM-ADDITION METHOD IN TURBULENT-PLASMA THEORY**

NUCLEAR FUSION 4(4), 321 (1964)

250. Mikhailovskii, AB; Timofeev, AV.

**Cyclotron instability of an inhomogeneous plasma**

Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki 44(3), (1963)

251. MIKHAILOVSKII, AB; TIMOFEEV, AV.

**THEORY OF CYCLOTRON INSTABILITY IN A NON-UNIFORM PLASMA**

SOVIET PHYSICS JETP-USSR 17(3), 626 (1963)

252. MIKHAILOVSKII, AB.

**CONVECTIVE INSTABILITY AND STABILIZATION EFFECT IN A RAREFIED HIGH TEMPERATURE PLASMA**

SOVIET PHYSICS JETP-USSR 16(2), 364 (1963)

253. MIKHAILOVSKII, AB.

**TRANSVERSE DRIFT OSCILLATIONS IN AN INHOMOGENEOUS PLASMA**

SOVIET PHYSICS JETP-USSR 17(5), 1043 (1963)

254. MIKHAILOVSKII, AB; RUDAKOV, LI.

**THE STABILITY OF A SPATIALLY INHOMOGENEOUS PLASMA IN A MAGNETIC FIELD**

SOVIET PHYSICS JETP-USSR 17(3), 621 (1963)

**Книги, монографии, обзоры:**

1. Двухтомная монография А.Б. Михайловский «**Теория плазменных неустойчивостей**», М., Атомиздат (1970 и 1971)
2. Обзоры в выпусках «**Вопросы теории плазмы**» под ред. Акад. М.А. Леонтовича, М., Атомиздат (1963, 1972 и 1978)
3. Обзор в сборнике «**Основы физики плазмы**» под ред. проф. М.Н. Розенблюта и акад. Р.З. Сагдеева, М., Энергоатомиздат (1983)
4. Книга А.Б. Михайловский «**Электромагнитные неустойчивости неоднородной плазмы**», М., Энергоатомиздат (1991)
5. Книга А.В. Mikhailovskii «**Instabilities in a confined plasma**», Bristol: Institute of Physics (1992)
6. Обзор А.В. Mikhailovskii «**Theory of magnetic islands in tokamaks with accenting neoclassical tearing modes**», Contrib. Plasma Phys., Vol. 43, pp. 125–177 (2003)