

Курков Андрей Семенович



(1957-04-18 – 2015-06-11)

Доктор физико-математических наук, родился в 1957 г. в г. Норильске. В 1980 г. окончил Физический факультет Московского государственного университета им. М.В.Ломоносова. С 1983 г. работал в отделе волоконной оптики Института общей физики АН СССР, с 1994 в Научном центре волоконной оптики РАН.

Научные интересы А.С.Куркова лежали в области волоконных световодов со специальными волноводными свойствами, активных волоконных световодов, волоконных усилителей и лазеров.

А.С.Курков – соавтор 160 научных работ.

Публикации:

1. Saenko, YV; Glushchenko, ES; Zolotovskii, IO; Sholokhov, E; Kurkov, A.
Mitochondrial dependent oxidative stress in cell culture induced by laser radiation at 1265 nm
LASERS IN MEDICAL SCIENCE 31(3), 405-413 (2016)
2. Filatova, SA; Kamynin, VA; Tsvetkov, VB; Medvedkov, OI; Kurkov, AS.
Gain spectrum of the Ho-doped fiber amplifier
LASER PHYSICS LETTERS 12(9), - (2015)
3. Kamynin, VA; Bednyakova, AE; Fedoruk, MP; Volkov, IA; Nishchev, KN; Kurkov, AS.
Supercontinuum generation beyond 2 μ m in GeO₂ fiber: comparison of nano- and femtosecond pumping
LASER PHYSICS LETTERS 12(6), - (2015)
4. Paramonov, VM; Kurkov, AS.
Q-switched Er-doped fiber source based on electrooptical modulator application
LASER PHYSICS 25(6), - (2015)
5. Ryabochkina, PA; Chabushkin, AN; Kosolapov, AF; Kurkov, AS.
Absorption and luminescence characteristics of I-5(7) \leftrightarrow I-5(8) transitions of the holmium ion in Ho³⁺-doped aluminosilicate preforms and fibres
QUANTUM ELECTRONICS 45(2), 102-104 (2015)
6. Filatova, SA; Kamynin, VA; Ryabova, AV; Loshchenov, VB; Zelenkov, PV; Zolotovskii, IO; Tsvetkov, VB; Kurkov, AS.

Impact of holmium fibre laser radiation ($\lambda=2.1 \mu\text{m}$) on the spinal cord dura mater and adipose tissue

QUANTUM ELECTRONICS 45(8), 781-784 (2015)

7. Dvoyrin, V.; Tolstik, N.; Sorokin, E.; Sorokina, I.; Kurkov, A..

Graphene-mode-locked Holmium fiber laser operating beyond 2.1 μm
paper CJ_7_4 , (2015)

8. Harun, SW; Alam, SU; Kurkov, AS; Paul, MC; Sun, ZP.

Introduction to the Issue on Fiber Lasers

IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS 20(5), - (2014)

9. Kamynin, VA; Volkov, IA; Nishchev, KN; Paramonov, VM; Kurkov, AS.

Transformation of the supercontinuum spectra by the Ho-doped fiber amplifier
LASER PHYSICS LETTERS 11(5), - (2014)

10. Sugavanam, S; Yan, Z; Kamynin, V; Kurkov, AS; Zhang, L; Churkin, DV.

Multiwavelength generation in a random distributed feedback fiber laser using an all fiber Lyot filter

OPTICS EXPRESS 22(3), 2839-2844 (2014)

11. Kamynin, VA; Antipov, SO; Baranikov, AV; Kurkov, AS.

Holmium-doped fibre amplifier operating at 2.1 μm

QUANTUM ELECTRONICS 44(2), 161-162 (2014)

12. Sadovnikova, YE; Kamynin, VA; Kurkov, AS; Medvedkov, OI; Marakulin, AV; Minashina, LA.

Q-switching of a thulium-doped fibre laser using a holmium-doped fibre saturable absorber

QUANTUM ELECTRONICS 44(1), 4-6 (2014)

13. Sugavanam, S; Yan, ZJ; Kamynin, V; Kurkov, AS; Zhang, L; Churkin, D.

Lyot-filter based multiwavelength random distributed feedback fiber laser

LASER SOURCES AND APPLICATIONS II 9135, - (2014)

14. Antipov, SO; Kurkov, AS.

A holmium-doped fiber amplifier at 2.1 μm

LASER PHYSICS LETTERS 10(12), - (2013)

15. Antipov, SO; Baranikov, AV; Marakulin, AV; Minashina, LA; Kurkov, AS.

A powerful broadband Ho-doped fiber source in the 2 μm region

LASER PHYSICS LETTERS 10(10), - (2013)

16. Trikshev, AI; Kurkov, AS; Tsvetkov, VB; Filatova, SA; Kertulla, J; Filippov, V; Chamorovskiy, YK; Okhotnikov, OG.

A 160 W single-frequency laser based on an active tapered double-clad fiber amplifier

LASER PHYSICS LETTERS 10(6), - (2013)

17. Denker, BI; Galagan, BI; Kamynin, VA; Kurkov, AS; Sadovnikova, YE; Semenov, SL; Sverchkov, SE; Velmiskin, VV; Dianov, EM.

Composite laser fiber with Yb, Er co-doped phosphate glass core and silica cladding

LASER PHYSICS LETTERS 10(5), - (2013)

18. Antipov, SO; Kamynin, VA; Medvedkov, OI; Marakulin, AV; Minashina, LA; Kurkov, AS; Baranikov, AV.

Holmium fibre laser emitting at 2.21 μm

QUANTUM ELECTRONICS 43(7), 603-604 (2013)

19. Denker, BI; Galagan, BI; Kamynin, VA; Kurkov, AS; Sadovnikova, YE; Semenov, SL; Sverchkov, SE; Velmiskin, VV; Dianov, EM.

Phosphate Glass Core and Silica Cladding Laser Fiber.

2013 CONFERENCE ON AND INTERNATIONAL QUANTUM ELECTRONICS

CONFERENCE LASERS AND ELECTRO-OPTICS EUROPE (CLEO EUROPE/IQEC) , - (2013)

20. Antipov, SO; Kamynin, VA; Kablukov, SI; Raspopin, KS; Kurkov, AS.

All-fiber Ho-doped laser tunable from 2.1 to 2.045 μm

2013 CONFERENCE ON AND INTERNATIONAL QUANTUM ELECTRONICS

CONFERENCE LASERS AND ELECTRO-OPTICS EUROPE (CLEO EUROPE/IQEC) , - (2013)

21. Kamynin, VA; Sadovnikova, YE; Kurkov, AS; Tsvetkov, VB.

Mid-IR supercontinuum generation in thulium-doped fiber amplifier.

2013 CONFERENCE ON AND INTERNATIONAL QUANTUM ELECTRONICS

CONFERENCE LASERS AND ELECTRO-OPTICS EUROPE (CLEO EUROPE/IQEC) , - (2013)

22. Trikshev, AI; Kurkov, AS; Tsvetkov, VB; Filatova, SA; Kertulla, J; Filippov, V; Chamorovskiy, YK; Okhotnikov, OG.

160W single-frequency laser based on active tapered double-clad fiber amplifier

2013 CONFERENCE ON AND INTERNATIONAL QUANTUM ELECTRONICS

CONFERENCE LASERS AND ELECTRO-OPTICS EUROPE (CLEO EUROPE/IQEC) , - (2013)

23. Chamorovskiy, AY; Marakulin, AV; Kurkov, AS; Leinonen, T; Okhotnikov, OG.

High-Repetition-Rate Q-Switched Holmium Fiber Laser

IEEE PHOTONICS JOURNAL 4(3), 679-683 (2012)

24. Chamorovskiy, A; Marakulin, AV; Ranta, S; Tavast, M; Rautiainen, J; Leinonen, T; Kurkov, AS; Okhotnikov, OG.

Femtosecond mode-locked holmium fiber laser pumped by semiconductor disk laser

OPTICS LETTERS 37(9), 1448-1450 (2012)

25. Kamynin, VA; Kurkov, AS; Mashinsky, VM.

Supercontinuum generation up to 2.7 μm in the germanate-glass-core and silica-glass-cladding fiber

LASER PHYSICS LETTERS 9(3), 219-222 (2012)

26. Chamorovskiy, AY; Marakulin, AV; Leinonen, T; Kurkov, AS; Okhotnikov, OG.

Semiconductor disk laser-pumped subpicosecond holmium fibre laser

QUANTUM ELECTRONICS 42(1), 12-14 (2012)

- 27.** Kamynin, VA; Kurkov, AS; Mineeva, EA; Marakulin, AV; Minashina, LA.
Effect of cavity parameters on the self-Q-switching characteristics of a holmium fibre laser
QUANTUM ELECTRONICS 42(7), 588-590 (2012)
- 28.** Chamorovskiy, AY; Marakulin, AV; Kurkov, AS; Okhotnikov, OG.
Tunable Ho-doped soliton fiber laser mode-locked by carbon nanotube saturable absorber
LASER PHYSICS LETTERS 9(8), 602-606 (2012)
- 29.** Trikshev, AI; Kurkov, AS; Tsvetkov, VB.
Single-frequency hybrid laser with an output power up to 3 W at a wavelength of 1064 nm
QUANTUM ELECTRONICS 42(5), 417-419 (2012)
- 30.** Kurkov, AS; Kamynin, VA; Tsvetkov, VB; Sadovnikova, YE; Marakulin, AV; Minashina, LA.
Supercontinuum generation in thulium-doped fibres
QUANTUM ELECTRONICS 42(9), 778-780 (2012)
- 31.** Kamynin, VA; Kablukov, SI; Raspopin, KS; Antipov, SO; Kurkov, AS; Medvedkov, OI; Marakulin, AV.
All-fiber Ho-doped laser tunable in the range of 2.045-2.1 μm
LASER PHYSICS LETTERS 9(12), 893-895 (2012)
- 32.** Kurkov, AS.
Fifth Russian Workshop on Fibre Lasers
QUANTUM ELECTRONICS 42(9), 753-753 (2012)
- 33.** Gening, TP; Voronova, OS; Dolgova, DR; Abakumova, TV; Zolotovskii, IO; Sholokhov, EM; Kurkov, AS; Gening, SO.
Analysis of the efficiency of using 1265-nm cw laser radiation for initiating oxidative stress in the tissue of a solid malignant tumour
QUANTUM ELECTRONICS 42(9), 805-807 (2012)
- 34.** Veber, AA; Lyashedko, A; Sholokhov, E; Trikshev, A; Kurkov, A; Pyrkov, Y; Veber, AE; Seregin, V; Tsvetkov, V.
Laser vibrometry based on analysis of the speckle pattern from a remote object
APPLIED PHYSICS B-LASERS AND OPTICS 105(3), 613-617 (2011)
- 35.** Kurkov, AS; Kamynin, VA; Sholokhov, EM; Marakulin, AV.
Mid-IR supercontinuum generation in Ho-doped fiber amplifier
LASER PHYSICS LETTERS 8(10), 754-757 (2011)
- 36.** Kurkov, AS; Sholokhov, EM; Sadovnikova, YE.
All-fiber supercontinuum source in the range of 1550-2400 nm based on telecommunication multimode fiber
LASER PHYSICS LETTERS 8(8), 598-600 (2011)
- 37.** Kurkov, AS.
Q-switched all-fiber lasers with saturable absorbers
LASER PHYSICS LETTERS 8(5), 335-342 (2011)

- 38.** Sholokhov, EM; Marakulin, AV; Kurkov, AS; Tsvetkov, VB.
All-fiber Q-switched holmium laser
LASER PHYSICS LETTERS 8(5), 382-385 (2011)
- 39.** Turitsyn, SK; Bednyakova, AE; Fedoruk, MP; Latkin, AI; Fotiadi, AA; Kurkov, AS; Sholokhov, E.
Modeling of CW Yb-doped fiber lasers with highly nonlinear cavity dynamics
OPTICS EXPRESS 19(9), 8394-8405 (2011)
- 40.** Kurkov, AS; Sadovnikova, YE; Sholokhov, EM; Medvedkov, IO.
Yb-laser based on the LMA active fiber and multimode Bragg grating
LASER PHYSICS 21(2), 287-289 (2011)
- 41.** Bednyakova, AE; Fedoruk, MP; Kurkov, AS; Sholokhov, EM; Turitsyn, SK.
Raman laser based on a fiber with variable mode structure
LASER PHYSICS 21(2), 290-293 (2011)
- 42.** Kurkov, AS.
Program committee chairman
LASER PHYSICS 21(2), 271-271 (2011)
- 43.** Veber, AA; Kurkov, AS; Tsvetkov, VB.
Effect of bending on the efficiency of the Yb LMA-fiber laser
LASER PHYSICS 21(2), 294-298 (2011)
- 44.** Kurkov, AS; Sholokhov, EM; Tsvetkov, VB; Marakulin, AV; Minashina, LA; Medvedkov, OI; Kosolapov, AF.
Holmium fibre laser with record quantum efficiency
QUANTUM ELECTRONICS 41(6), 492-494 (2011)
- 45.** Vdovenko, VS; Gorshkov, BG; Zazirnyi, MV; Kulakov, AT; Kurkov, AS; Paramonov, VM.
Coherent reflectometer with a two-fibre scattered-light interferometer
QUANTUM ELECTRONICS 41(2), 176-178 (2011)
- 46.** Trikshev, AI; Kurkov, AS; Tsvetkov, VB; Pyrkov, YN; Paramonov, VN.
Measurement of the emission linewidth of a single-frequency semiconductor laser with a ring fibre interferometer
QUANTUM ELECTRONICS 41(7), 656-658 (2011)
- 47.** Kamynin, VA; Kurkov, AS; Tsvetkov, VB.
Supercontinuum generation in the range 1.6-2.4 μm using standard optical fibres
QUANTUM ELECTRONICS 41(11), 986-988 (2011)
- 48.** Kurkov, AS; Sadovnikova, YE; Marakulin, AV; Sholokhov, EM.
All fiber Er-Tm Q-switched laser
LASER PHYSICS LETTERS 7(11), 795-797 (2010)
- 49.** Kurkov, AS; Sholokhov, EM; Marakulin, AV; Minashina, LA.

Dynamic behavior of laser based on the heavily holmium doped fiber
LASER PHYSICS LETTERS 7(8), 587-590 (2010)

50. Kurkov, AS; Dvoyrin, VV; Marakulin, AV.
All-fiber 10 W holmium lasers pumped at $\lambda=1.15 \mu\text{m}$
OPTICS LETTERS 35(4), 490-492 (2010)

51. Lobach, IA; Babin, SA; Kablukov, SI; Podivilov, EV; Kurkov, AS.
Field Distribution and Mode Interaction in Twin-Core Fiber
LASER PHYSICS 20(2), 311-317 (2010)

52. Ivanenko, AV; Kobtsev, SM; Kukarin, SV; Kurkov, AS.
Femtosecond Er Laser System Based on Side-Coupled Fibers
LASER PHYSICS 20(2), 341-343 (2010)

53. Yusupov, AS; Goncharov, SE; Zalevskii, ID; Paramonov, VM; Kurkov, AS.
Raman Fiber Laser for the Drug-Free Photodynamic Therapy
LASER PHYSICS 20(2), 357-359 (2010)

54. Kurkov, AS; Sholokhov, EM; Marakulin, AV; Minashina, LA.
Effect of active-ion concentration on holmium fibre laser efficiency
QUANTUM ELECTRONICS 40(5), 386-388 (2010)

55. Kurkov, AS; Sholokhov, EM; Marakulin, AV; Minashina, LA.
Effect of the active-ion concentration on the lasing dynamics of holmium fibre lasers
QUANTUM ELECTRONICS 40(10), 858-860 (2010)

56. Okhrimchuk, AG; Mezentsev, VK; Dvoyrin, VV; Kurkov, AS; Sholokhov, EM; Turitsyn, SK; Shestakov, AV; Bennion, I.
Waveguide-saturable absorber fabricated by femtosecond pulses in YAG:Cr⁴⁺ crystal for Q-switched operation of Yb-fiber laser
OPTICS LETTERS 34(24), 3881-3883 (2009)

57. Kurkov, AS; Sholokhov, EM; Medvedkov, OI; Dvoyrin, VV; Pyrkov, YN; Tsvetkov, VB; Marakulin, AV; Minashina, LA.
Holmium fiber laser based on the heavily doped active fiber
LASER PHYSICS LETTERS 6(9), 661-664 (2009)

58. Kurkov, AS; Sholokhov, EM; Medvedkov, OI.
All fiber Yb-Ho pulsed laser
LASER PHYSICS LETTERS 6(2), 135-138 (2009)

59. Fotiadi, A; Razdobreev, I; Segard, B; Kurkov, A.
Stable self-pulse behaviour of two-core Yb/Sm fiber, CJ3 (2009)

60. Kurkov, A; Paramonov, V; Medvedkov, O; Zalevskii, I; Goncharov, S.
Fiber Raman laser at 1450 nm for medical applications
LASER PHYSICS 18(11), 1234-1237 (2008)

- 61.** Kurkov, AS; Sholokhov, EM; Paramonov, VM; Kosolapov, AF.
Broadband Ho³⁺ -doped fibre radiation source emitting at 2 μ m
QUANTUM ELECTRONICS 38(10), 981-982 (2008)
- 62.** Kurkov, AS; Babin, SA; Lobach, IA; Kablukov, SI.
Mechanism of mode coupling in multicore fiber lasers
OPTICS LETTERS 33(1), 61-63 (2008)
- 63.** Kurkov, AS; Babin, SA; Lobach, IA; Kablukov, SI.
New mechanism of the mode coupling in multi-core fiber lasers
FIBER LASERS V: TECHNOLOGY, SYSTEMS, AND APPLICATIONS 6873, U343-U351
(2008)
- 64.** Ania-Castanon, JD; Turitsyn, SK; Kurkov, AS; Paramonov, VM.
Impact of nonlinear broadening on the optimal characteristics of high-power P2O5-doped fibre lasers
2008 CONFERENCE ON OPTICAL FIBER COMMUNICATION/NATIONAL FIBER OPTIC ENGINEERS CONFERENCE, VOLS 1-8 , 412-414 (2008)
- 65.** Abdullina, SR; Babin, SA; Vlasov, AA; Kablukov, SI; Kurkov, AS; Shelemba, IS.
All-fibre ytterbium baser tunable within 45 nm
QUANTUM ELECTRONICS 37(12), 1146-1148 (2007)
- 66.** Babin, SA; Churkin, DV; Kablukov, SI; Kurkov, AS; Nikulin, MA.
Distributed-feedback fiber laser with optical amplifier
LASER PHYSICS 17(11), 1292-1295 (2007)
- 67.** Paramonov, VM; Kurkov, AS; Medvedkov, OI; Tsvetkov, VB.
Single-polarization cladding-pumped Yb-doped fiber laser
LASER PHYSICS LETTERS 4(10), 740-742 (2007)
- 68.** Kurkov, AS; Dvoyrin, VV; Paramonov, VM; Medvedkov, OI; Dianov, EM.
All-fiber pulsed Raman source based on Yb : Bi fiber laser
LASER PHYSICS LETTERS 4(6), 449-451 (2007)
- 69.** Kurkov, AS; Paramonov, VM; Yashkov, MV; Goncharov, SE; Zalevskii, ID.
Multimode cladding-pumped erbium-doped fibre laser
QUANTUM ELECTRONICS 37(4), 343-344 (2007)
- 70.** Kurkov, AS.
Oscillation spectral range of Yb-doped fiber lasers
LASER PHYSICS LETTERS 4(2), 93-102 (2007)
- 71.** Fotiadi, A A; Kurkov, A S; Razdobreev, I M.
Dynamics of all-fiber self-Q-switched ytterbium/samarium laser
, CMC4 (2007)
- 72.** Fotiadi, A A; Kurkov, A S; Razdobreev, I M.
Dynamics of all-fiber self-Q-switched ytterbium/samarium laser
, CMC4 (2007)

73. Abramov, AN; Guryanov, AN; Dianov, EM; Kurkov, AS; Nishchev, KN; Ryabochkina, PA; Jashkov, MV.

The study of processes of nonradiative energy transfer between ions Yb³⁺ and Tm³⁺ in aluminosilicate fibers. - art. no. 66100J

Laser Optics 2006: Solid State Lasers and Nonlinear Frequency Conversion 6610, J6100-J6100 (2007)

74. Fotiadi, AA; Kurkov, AS; Razdobreev, IM.

Dynamics of All-Fiber Self-Q-switched Ytterbium/Samarium Laser

2007 CONFERENCE ON LASERS & ELECTRO-OPTICS/QUANTUM ELECTRONICS AND LASER SCIENCE CONFERENCE (CLEO/QELS 2007), VOLS 1-5 , 27-28 (2007)

75. Gruk, D. a.; Kurkov, A. S.; Paramonov, V. M.; Dianov, E. M..

Effect of heating on the optical properties of Yb³⁺-doped fibres and fibre lasers

Quantum Electronics 34, 579 (2007)

76. Kurkov, A.S..

Oscillation spectral range of Yb-doped fiber lasers

Laser Phys. Lett. 4, 99 (2007)

77. Fotiadi, A; Kurkov, A; Razdobreev, I.

Dynamics of all-fiber self-Q-switched Ytterbium/Samarium laser Conf. on Lasers and Electro-Optics/Quantum Electronics and Laser Science Conf. and Photonic Applications Systems Technologies

paper CMC4 , (2007)

78. Kurkov, AS; Paramonov, VM; Medvedkov, OI.

Ytterbium fiber laser emitting at 1160 nm

LASER PHYSICS LETTERS 3(10), 503-506 (2006)

79. Gorshkov, BG; Paramonov, VM; Kurkov, AS; Kulakov, AT; Zazirnyi, MV.

Distributed external-action sensor based on a phase-sensitive fibre reflectometer

QUANTUM ELECTRONICS 36(10), 963-965 (2006)

80. Kurkov, AS; Paramonov, VM; Dianov, EM; Isaev, VA; Ivanov, GA.

Fiber laser based on 4-core Yb-doped fiber and multimode Bragg grating

LASER PHYSICS LETTERS 3(9), 441-444 (2006)

81. Kir'yanov, AV; Barmenkov, YO; Martinez, IL.

Cooperative luminescence and absorption in Ytterbium-doped silica fiber and the fiber nonlinear transmission coefficient at $\lambda=980$ nm with a regard to the Ytterbium ion-pairs' effect

OPTICS EXPRESS 14(9), 3981-3992 (2006)

82. Kurkov, AS; Paramonov, VM; Medvedkov, OI; Pyrkov, YN; Dianov, EM; Goncharov, SE; Zalevskii, IDI.

Compact fiber source emitting at 2.1 μ m with an output power of 2W

LASER PHYSICS LETTERS 3(3), 151-153 (2006)

- 83.** Kurkov, AS; Shukshin, IA; Gruk, DA; Paramonov, VM; Dianov, EM; Goncharov, SE; Zalevskii, IDI.
Compact fiber source of the pulses with an output power up to 0.17 mJ
LASER PHYSICS LETTERS 3(2), 86-88 (2006)
- 84.** Vasil'ev, SA; Medvedkov, OI; Korolev, IG; Bozhkov, AS; Kurkov, AS; Dianov, EM.
Fibre gratings and their applications
QUANTUM ELECTRONICS 35(12), 1085-1103 (2005)
- 85.** Levchenko, AE; Kurkov, AS; Semenov, SL.
Measurement of dispersion in optical fibres with a microstructure cladding
QUANTUM ELECTRONICS 35(9), 835-838 (2005)
- 118(+1).** Plotskii, AY; Kurkov, AS; Yashkov, MY; Bubnov, MM; Likhachev, ME; Sysolyatin, AA; Gur'yanov, AN; Dianov, EM.
Amplifying properties of heavily erbium-doped active fibres
QUANTUM ELECTRONICS 35(6), 559-562 (2005)
- 86.** Gruk, DA; Levchenko, AE; Kurkov, AS; Paramonov, VM.
Self-Q-switched ytterbium-doped fibre laser with intracavity spectral conversion
QUANTUM ELECTRONICS 35(5), 442-444 (2005)
- 87.** Egorova, ON; Kurkov, AS; Medvedkov, OI; Paramonov, VM; Dianov, EM.
Effect of the spectral broadening of the first Stokes component on the efficiency of a two-stage Raman converter
QUANTUM ELECTRONICS 35(4), 335-338 (2005)
- 88.** Kurkov, AS; Gruk, DA; Medvedkov, OI; Paramonov, VM; Dianov, EM.
Ytterbium-doped fibre laser with a Bragg grating reflector written in a multimode fibre
QUANTUM ELECTRONICS 35(4), 339-340 (2005)
- 89.** Fotiadi, A.A.; Kurkov, A.S.; Razdobreev, I.M..
All-fiber passively Q-switched ytterbium laser
2005 Conference on Lasers and Electro-Optics Europe (IEEE Cat. No. 05TH8795) , (2005)
- 90.** Kurkov, AS; Gruk, DA; Medvedkov, OI; Paramonov, VM.
Fiber lasers with reflectors based on multimode fiber Bragg gratings.
SARATOV FALL MEETING 2004: LASER PHYSICS AND PHOTONICS, SPECTROSCOPY, AND MOLECULAR MODELING V 5773, 1-6 (2005)
- 91.** Gorshkov, B. G.; Paramonov, V. M.; Kurkov, A. S.; Kulakov, A. T..
Phase-sensitive fiber reflectometer for distributed external disturbance sensors
Lightw. Russian Ed (4), 47 (2005)
- 92.** Kurkov, A. S.; Sholokhov, E. M.; Marakulin, A. V.; Minashina, L. A..
Effect of active ion concentration on holmium fibre laser efficiency
Quantum Electron 35, 1085 (2005)
- 93.** Kurkov, AS.
Fiber lasers for near IR range

CAOL 2005: Proceedings of the 2nd International Conference on Advanced Optoelectronics and Lasers, Vol 1 , 13-21 (2005)

94. Fotiadi, A; Kurkov, A.; Razdobreev, I..

All-fiber passively Q-switched ytterbium laser

CLEO/Europe-EQEC 2005, Technical Digest, CJ 2-3 , (2005)

95. Kurkov, AS; Dianov, EM.

Moderate-power cw fibre lasers

QUANTUM ELECTRONICS 34(10), 881-900 (2004)

96. Kurkov, AS; Gruk, DA; Medvedkov, OI; Paramonov, VM; Dianov, EM; Yashkov, MV; Vechkanov, NI; Guryanov, AN.

Multimode fiber lasers based on Bragg gratings and double-clad Yb-doped fibers

LASER PHYSICS LETTERS 1(9), 473-475 (2004)

97. Kurukitkoson, N; Turitsyn, SK; Kurkov, AS; Dianov, EM.

Multiple output wavelength composite Raman fiber converter

LASER PHYSICS 14(9), 1227-1230 (2004)

98. Gruk, DA; Kurkov, AS; Paramonov, VM; Dianov, EM.

Effect of heating on the optical properties of Yb³⁺-doped fibres and fibre lasers

QUANTUM ELECTRONICS 34(6), 579-582 (2004)

99. Gruk, DA; Bogatyrev, VA; Sysolyatin, AA; Paramonov, VM; Kurkov, AS; Dianov, EM.
Broadband radiation source based on an ytterbium-doped fibre with fibre-length-distributed pumping

QUANTUM ELECTRONICS 34(3), 247-248 (2004)

100. Paramonov, VM; Kurkov, AS; Medvedkov, OI; Gruk, DA; Dianov, EM.

Two-frequency fibre Raman laser

QUANTUM ELECTRONICS 34(3), 213-215 (2004)

101. Babin, SA; Churkin, DV; Kurkov, AS; Potapov, VV.

Spectral characteristics of a Raman fiber laser with temperature-tunable FBGs

LASER OPTICS 2003: DIODE LASERS AND TELECOMMUNICATION SYSTEMS 5480, 46-54 (2004)

102. Fotiadi, A. A.; Kurkov, A. S.; Razdobreev, I. M..

Dynamics of all-fiber self-Q-switched Ytterbium/ Samarium laser

Paper CMC4 , (2004)

103. Babin, SA; Kurkov, AS; Potapov, VV; Churkin, DV.

Dependence of the spectral parameters of a Raman fibre laser on the Bragg grating temperature

QUANTUM ELECTRONICS 33(12), 1096-1100 (2003)

104. Dianov, EM; Kurkov, AS; Medvedkov, OI; Paramonov, VM; Egorova, ON; Kurukitkoson, N; Turitsyn, SK.

Raman fiber source for the 1.6-1.75 μ m spectral region

LASER PHYSICS 13(3), 397-400 (2003)

- 105.** Fotiadi, A.A.; Megret, P.; Blondel, M.; Gruk, D.; Kurkov, A.S.; Razdobreev, I.
Self-Q-switched fiber lasers with Rayleigh/SBS ring mirrors
Proceedings of the SPIE - The International Society for Optical Engineering 5137(1), (2003)
- 106.** Kurkov, AS; Dianov, EM.
CW medium-power fiber lasers for near IR range
EIGHTH INTERNATIONAL CONFERENCE ON LASER AND LASER INFORMATION
TECHNOLOGIES 5449, 62-69 (2003)
- 107.** Gruk, DA; Kurkov, AS; Razdobreev, IM; Fotiadi, AA.
Self-Q-switched ytterbium-doped cladding-pumped fibre laser
QUANTUM ELECTRONICS 32(11), 1017-1019 (2002)
- 108.** Kurkov, AS; Paramonov, VM; Egorova, ON; Medvedkov, OI; Dianov, EM; Zalevskii, ID;
Goncharov, SE.
A 1.65- μ m fibre Raman amplifier
QUANTUM ELECTRONICS 32(8), 747-750 (2002)
- 109.** Britov, IE; Kurkov, AS; Raevsky, AS.
Electrodynamic approach to the estimate of the pumping efficiency of double cladding active
optical fibres
QUANTUM ELECTRONICS 32(5), 421-424 (2002)
- 110.** Rini, M; Cristiani, I; Degiorgio, V; Kurkov, AS; Paramonov, VM.
Experimental and numerical optimization of a fiber Raman lasers
OPTICS COMMUNICATIONS 203(1-2), 139-144 (2002)
- 111.** Dianov, E.M.; Golant, K.M.; Khrapko, R.R.; Kurkov, A.S.; Leconte, B.; Douay, M.;
Bernage, P.; Niay, P..
Grating formation in a germanium free silicon oxynitride fibre
Business Unitech , (2002)
- 112.** Kurukitkoson, N; Turitsyn, SK; Egorova, ON; Kurkov, AS; Dianov, EM.
Efficiency spectrum comparison between Germanium and Phosphorus based Raman fiber
converters
OPTICAL AMPLIFIERS AND THEIR APPLICATIONS, PROCEEDINGS 77, 71-73 (2002)
- 113.** Kurkov, AS; Paramonov, VM; Egorova, ON; Dianov, EM; Yashkov, MV; Guryanov, AN;
Zalevsky, ID; Goncharov, SE.
High-power EDFA pumped by p-doped fiber-based Raman converter
OPTICAL DEVICES FOR FIBER COMMUNICATION III 4638, 58-63 (2002)
- 114.** Fotiadi, AA; Megret, P; Blondel, M; Gruk, D; Kurkov, AS; Razdobreev, I.
Self-Q-switched fiber lasers with Rayleigh/SBS ring mirrors
ADVANCED LASERS AND SYSTEMS 5137, 119-130 (2002)
- 115.** Voronin, V.G.; Nanii, O.E.; Turkin, A.N.; Kurkov, A.S.; Vasil'ev, S.E.; Lobadetskii, O.I.;
Gubankov, D.A.; Nikolaev, M.N..
Polarization dynamics of Yb-doped double-clad fiber laser radiation

Moscow University Physics Bulletin 57(2), (2002)

116. Kurukitkoston, N; Sugahara, H; Turitsyn, SK; Egorova, ON; Kurkov, AS; Paramonov, VM; Dianov, EM.

Optimisation of two-stage Raman converter based on phosphosilicate core fibre: modelling and experiment

ELECTRONICS LETTERS 37(21), 1281-1283 (2001)

117. Kurkov, AS; Paramonov, VM; Egorova, ON; Medvedkov, OI; Dianov, EM; Yashkov, MV; Gur'yanov, AN; Zalevskii, ID; Goncharov, SE.

High-power erbium-doped fibre amplifier pumped by a phosphosilicate fibre Raman converter

QUANTUM ELECTRONICS 31(9), 801-803 (2001)

118. Kurkov, AS; Vasil'ev, SA; Korolev, IG; Medvedkov, OI; Dianov, EM.

Fibre laser with an intracavity polariser based on a long-period fibre grating

QUANTUM ELECTRONICS 31(5), 421-423 (2001)

119. Aksenov, VA; Ivanov, GA; Kurkov, AS; Medvedkov, OI; Pershina, EV; Dianov, EM.

Photosensitive fiber light guides made on the basis of borogermanosilicate glass

JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS 46(3), 355-358 (2001)

120. Kurkov, A S; Korolev, I G; Medvedkov, O I; Dianov, E M.

Fibre laser with an intracavity polariser based on a long-period fibre grating

Quantum Electron 31, 421 (2001)

121. Kurkov, A. S.; Sholokhov, E. M.; Tsvetkov, V. B.; Marakulin, A. V.; Minashina, L. A.; Medvedkov, O. I.; Kosolapov, A. F..

Holmium fibre laser with record quantum efficiency

Quantum Electron. 41(6), 492 (2001)

122. Kurukitkoston, N; Sugahara, H; Turitsyn, SK; Egorova, ON; Kurkov, AS; Paramonov, VM; Dianov, EM.

Optimization of two-stage Raman converter based on P-doped fibre: Modelling and experiment

ECOC'01: 27TH EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION, VOLS 1-6

, 74-75 (2001)

123. Kurkov, AS; Paramonov, VM; Egorova, ON; Dianov, EM; Yashkov, MV; Guryanov, AN; Zalevsky, ID; Goncharov, SE.

+28 dBm output power from EDFA pumped by Raman converter based on P-doped fiber

ECOC'01: 27TH EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION, VOLS 1-6 , 172-173 (2001)

125. Kurkov, AS; Medvedkov, OI; Paramonov, VM; Vasiliev, SA; Dianov, EM; Solodovnikov, V; Zhilin, V; Guryanov, AN; Laptev, AY; Umnikov, AA.

High-power Yb-doped double-clad fiber lasers for a range of 0.98-1.04 μm .

OPTICAL AMPLIFIERS AND THEIR APPLICATIONS 60, 85-87 (2001)

126. Kurkov, AS; Paramonov, VM; Medvedkov, OI; Vasiliev, SA; Dianov, EM.

Raman fiber laser at 1.45 μm : comparison of different schemes

OPTICAL AMPLIFIERS AND THEIR APPLICATIONS, PROCEEDINGS 44, 33-35 (2001)

127. Kurkov, AS; Dianov, EM; Paramonov, VM; Gur'yanov, AN; Laptev, AY; Khopin, VF; Umnikov, AA; Vechkanov, NI; Medvedkov, OI; Vasil'ev, SA; Bubnov, MM; Egorova, ON; Semenov, SL; Pershina, EV.

High-power fibre Raman lasers emitting in the 1.22-1.34- μ m range
QUANTUM ELECTRONICS 30(9), 791-793 (2000)

128. Kurkov, AS; Dianov, EM; Medvedkov, OI; Ivanov, GA; Aksenov, VA; Paramonov, VM; Vasiliev, SA; Pershina, EV.

Efficient silica-based Ho³⁺ fibre laser for 2 μ m spectral region pumped at 1.15 μ m
ELECTRONICS LETTERS 36(12), 1015-1016 (2000)

129. Kurkov, A.S.; Laptev, A.Yu.; Dianov, E.M.; Guryanov, A.N.; Karpov, V.I.; Paramonov, V.M.; Mededkov, O.I.; Umnikov, A.A.; Protopopov, V.N.; Vechkanov, N.N.; Vasiliev, S.A.; Pershina, E.V.; Dianov, E.M..

Yb³⁺-doped double-clad fibers and lasers

Advances in fiber optics. Selected research papers on advances in fiber optics 1998-1999 (SPIE Vol.4083) , (2000)

130. Kurkov, AS; Karpov, VI; Laptev, AY; Medvedkov, OI; Dianov, EM; Gur'yanov, AN; Vasil'ev, SA; Paramonov, VM; Protopopov, VN; Umnikov, AA; Vechkanov, NI; Artyushenko, VG; Fram, Y.

Highly efficient cladding-pumped fibre laser based on an ytterbium-doped optical fibre and a fibre Bragg grating

QUANTUM ELECTRONICS 29(6), 516-517 (1999)

131. Kurkov, A.S.; Medvedkov, O.I.; Karpov, V.I.; Vasiliev, S.A.; Lexin, O.A.; Dianov, E.M.; Gur'yanov, A.N.; Laptev, A.A.; Umnikov, A.; Vechkanov, N.I..

Photosensitive Yb-doped double-clad fiber for fiber lasers

OFC/IOOC'99. Optical Fiber Communication Conference and the International Conference on Integrated Optics and Optical Fiber Communications (Cat. No.99CH36322) Part: vol.2, (1999)

132. Vasiliev, SA; Dianov, EM; Golant, KM; Medvedkov, OI; Tomashuk, AL; Karpov, VI; Grekov, MV; Kurkov, AS; Leconte, B; Niay, P.

Performance of Bragg and long-period gratings written in N- and Ge-doped silica fibers under gamma-radiation

IEEE TRANSACTIONS ON NUCLEAR SCIENCE 45(3), 1580-1583 (1998)

133. Henninot, JF; Duhem, O; Warengem, M; Douay, M; Kurkov, AS; Rivoallan, L.

Investigation of Long Period Fiber Gratings Sensitivity to Liquid Crystal External Medium
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY
SECTION A-MOLECULAR CRYSTALS AND LIQUID CRYSTALS 320, 389-403 (1998)

134. Dianov, EM; Karpov, VI; Kurkov, AS; Grekov, MV.

Long-period fiber gratings and mode-field converters fabricated by thermodiffusion in phosphosilicate fibers

24TH EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION, VOL 1-3: VOL 1: REGULAR AND INVITED PAPERS; VOL 2: TUTORIALS AND SYMPOSIUM PAPERS; VOL 3: POSTDEADLINE PAPERS , 395-396 (1998)

- 135.** Vasiliev, SA; Dianov, EM; Golant, KM; Medvedkov, OI; Tomashuk, AL; Karpov, VI; Grekov, MV; Kurkov, AS; Leconte, B; Niay, P.
Performance of Bragg and long-period gratings written in N- and Ge-doped silica fibers under gamma-radiation
RADECS 97: FOURTH EUROPEAN CONFERENCE ON RADIATION AND ITS EFFECTS ON COMPONENTS AND SYSTEMS , 480-483 (1998)
- 136.** Kurkov, AS; Douay, M; Duhem, O; Leleu, B; Henninot, JF; Bayon, JF; Rivoallan, L.
Long-period fibre grating as a wavelength selective polarisation element
ELECTRONICS LETTERS 33(7), 616-617 (1997)
- 137.** Vasilev, SA; Dianov, EM; Kurkov, AS; Medvedkov, OI; Protopopov, VN.
Photoinduced in-fibre refractive-index gratings for core-cladding mode coupling.
KVANTOVAYA ELEKTRONIKA 24(2), 151-154 (1997)
- 138.** Vasil'ev, SA; Dianov, EM; Kurkov, AS; Medvedkov, OI; Protopopov, VN.
Photoinduced in-fibre refractive-index gratings for core-cladding mode coupling
QUANTUM ELECTRONICS 27(2), 146-149 (1997)
- 139.** Dianov, EM; Golant, KM; Khrapko, RR; Kurkov, AS; Leconte, B; Douay, M; Bernage, P; Niay, P.
Grating formation in a germanium free silicon oxynitride fibre
ELECTRONICS LETTERS 33(3), 236-238 (1997)
- 140.** Biriukov, A.S.; Dianov, E.M.; Kurkov, A.S.; Khitun, A.G.; Devyatykh, G.G.; Gur'yanov, A.N.; Gusovskii, D.D.; Kobis, S.V..
Core-cladding interface disturbances during the collapsing process is one of the origins of optical losses in heavily doped fibers
Proceedings of the SPIE - The International Society for Optical Engineering 3211, (1997)
- 141.** Kurkov, AS; Rigal, O; Ramecourt, D; Douay, M; Martinelli, G; Niay, P; Bernage, P; Guryanov, A; Gusovskii, D; Kobis, S; Zverev, Y.
Application of $\pi/2$ phase shifted Bragg grating for the longitudinal mode selection of single-frequency fibre lasers
IOOC-ECOC 97 - 11TH INTERNATIONAL CONFERENCE ON INTEGRATED OPTICS AND OPTICAL FIBRE COMMUNICATIONS / 23RD EUROPEAN CONFERENCE ON OPTICAL COMMUNICATIONS, VOL 4 (448), 49-52 (1997)
- 142.** Dianov, EM; Karpov, VI; Kurkov, AS; Protopopov, VN.
Methods for flattening the gain spectrum of erbium fibre amplifiers.
KVANTOVAYA ELEKTRONIKA 23(12), 1059-1064 (1996)
- 143.** Dianov, E.M.; Vasiliev, S.A.; Kurkov, A.S.; Medvedkov, O.I.; Protopopov, V.N..
In-fiber Mach-Zehnder interferometer based on a pair of long-period gratings
ECOC '96. 22nd European Conference on Optical Communication (IEEE Cat. No.96TH8217)
Part: vol.1, (1996)
- 144.** Dianov, E.M.; Karpov, V.I.; Kurkov, A.S.; Protopopov, V.N..
Methods for flattening the gain spectrum of erbium fibre amplifiers

Quantum Electronics 26(12), (1996)

- 145.** Dianov, EM; Vasiliev, SA; Kurkov, AS; Medvedkov, OI; Protopopov, VN.
In-fiber Mach-Zehnder interferometer based on a pair of long-period gratings
22ND EUROPEAN CONFERENCE ON OPTICAL COMMUNICATIONS, PROCEEDINGS,
VOLS 1-6: CO-LOCATED WITH: 2ND EUROPEAN EXHIBITION ON OPTICAL
COMMUNICATION - EEOC '96 , A65-A68 (1996)
- 146.** Biryukov, AS; Dianov, EM; Kurkov, AS; Devyatykh, GG; Guryanov, AN; Gusovskii, DD;
Kobis, SV.
Core-cladding interface instability as one of the source of additional losses in high doped optical
fibers.
22ND EUROPEAN CONFERENCE ON OPTICAL COMMUNICATIONS, PROCEEDINGS,
VOLS 1-6: CO-LOCATED WITH: 2ND EUROPEAN EXHIBITION ON OPTICAL
COMMUNICATION - EEOC '96 , B225-B228 (1996)
- 147.** DIANOV, EM; GOLANT, KM; KHRAPKO, RR; KURKOV, AS; TOMASHUK, AL.
LOW-HYDROGEN SILICON OXYNITRIDE OPTICAL FIBERS PREPARED BY SPCVD
JOURNAL OF LIGHTWAVE TECHNOLOGY 13(7), 1471-1474 (1995)
- 148.** BOGATYRJOV, VA; DIANOV, EM; GOLANT, KM; KARPOV, VI; KHRAPKO, RR;
KURKOV, AS; PROTOPOPOV, VN.
PASSIVE SELECTIVE FILTER FOR FLATTENING THE ERBIUM-DOPED FIBER
AMPLIFIER GAIN SPECTRUM BASED ON A FEATURE OF THE SILICON OXYNITRIDE
FIBER ABSORPTION-SPECTRUM
ELECTRONICS LETTERS 31(1), 61-62 (1995)
- 149.** Bogatyrjov, V.A.; Dianov, E.M.; Golant, K.M.; Khrapko, R.R.; Kurkov, A.S..
Silica fibers with silicon oxynitride core fabricated by plasmachemical technology
OFC '95 Optical Fiber Communication. Summaries of Papers Presented at the Conference on
Optical Fiber Communication. Vol.8. 1995 Technical Digest Series. Postconference Edition ,
(1995)
- 150.** Dianov, EM; Karpov, VI; Kurkov, AS; Protopopov, VN; Devyatykh, GG; Guryanov, AN;
Gusovskii, DD; Kobis, SV; Zverev, YB.
Erbium-doped high concentration fibers produced by the MCVD technology using volatile
compounds
21ST EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION - ECOC '95, VOLS 1-
4: INCLUDING SYMPOSIUM ON PHOTONIC VERSUS ELECTRONIC TECHNOLOGIES
IN SWITCHING AND INTERCONNECTION; SYMPOSIUM ON BROADBAND
NETWORKS FOR VIDEO AND MULTIMEDIA SERVICES - VOLS 1-2: REGULAR , 721-
724 (1995)
- 151.** SCHELL, M; BIMBERG, D; BOGATYRJOV, VA; DIANOV, EM; KURKOV, AS;
SEMENOV, VA; SYSOLIATIN, AA.
540 FS LIGHT-PULSES AT 1.5 MU-M WITH VARIABLE REPETITION RATE USING A
TUNABLE TWIN-GUIDE LASER AND SOLITON COMPRESSION IN A DISPERSION
DECREASING FIBER
IEEE PHOTONICS TECHNOLOGY LETTERS 6(10), 1191-1193 (1994)

- 152.** KURKOV, AS; SEMENOV, VA.
19TH EUROPEAN CONFERENCE ON OPTICAL COMMUNICATION (MONTREUX,
SWITZERLAND)
KVANTOVAYA ELEKTRONIKA 21(3), 294-296 (1994)
- 153.** DIANOV, EM; GOLANT, KM; KARPOV, VI; KHRAPKO, RR; KURKOV, AS;
MASHINSKY, VM; PROTOPOPOV, VN.
FLUORINE-DOPED SILICA OPTICAL FIBRES FABRICATED USING
PLASMACHEMICAL TECHNOLOGIES
OPTICAL FIBRE SENSING AND SYSTEMS IN NUCLEAR ENVIRONMENTS 2425, 53-57
(1994)
- 154.** Dianov, E.M.; Golant, K.M.; Karpov, V.I.; Khrapko, R.R.; Kurkov, A.S.; Protopopov,
V.N.; Semenov, S.L.; Shebuniaev, A.G..
Application of reduced-pressure plasma CVD technology to the fabrication of Er-doped optical
fibers
Optical Materials 3(3), (1994)
- 155.** Belov, A.V.; Devyatykh, G.G.; Dianov, E.M.; Guryanov, A.N.; Gusovskiy, D.D.; Khopin,
V.F.; Kurkov, A.S..
Sm³⁺-doped fibre application to spectral filtration in the range 1.53-1.57 μm
Soviet Lightwave Communications 2(3), (1992)
- 156.** Belov, A.V.; Guryanov, A.N.; Devyatykh, G.G.; Dianov, E.M.; Khopin, V.F.; Kurkov,
A.S.; Mashinsky, V.M.; Miroshnichenko, S.I.; Neustruev, V.B.; Vechkanov, N.N..
Interpretation of drawing-dependent optical losses in germanium-doped silica optical fibres
Soviet Lightwave Communications 2(4), 281 (1992)
- 157.** BOGATYREV, VA; BUBNOV, MM; DIANOV, EM; KURKOV, AS; MAMYSHEV, PV;
PROKHOROV, AM; RUMYANTSEV, SD; SEMENOV, VA; SEMENOV, SL; SYSOLIATIN,
AA; CHERNIKOV, SV; GURYANOV, AN; DEVYATYKH, GG; MIROSHNICHENKO, SI.
A SINGLE-MODE FIBER WITH CHROMATIC DISPERSION VARYING ALONG THE
LENGTH
JOURNAL OF LIGHTWAVE TECHNOLOGY 9(5), 561-566 (1991)
- 158.** BELOV, AV; KURKOV, AS; MUSATOV, AG; SEMENOV, VA.
AN EFFECT OF THERMAL ACTION ON DISPERSIVE PROPERTIES OF SINGLE-MODE
FIBEROPTIC WAVE-GUIDES
KVANTOVAYA ELEKTRONIKA 17(12), 1596-1598 (1990)
- 159.** BELOV, AV; KUZNETSOV, AV; KURKOV, AS; OKHOTNIKOV, OG; SEMENOV,
VA.
A MACH-ZEHNDER FIBER INTERFEROMETER FOR CHROMATIC DISPERSION
MEASUREMENT IN SINGLE-MODE FIBEROPTIC WAVE-GUIDES
KVANTOVAYA ELEKTRONIKA 17(11), 1518-1520 (1990)
- 160.** BELOV, AV; KURKOV, AS; CHIKOLINI, AV.
AN ANALYSIS OF THE NON-GAUSSIAN FIELD DISTRIBUTION IN SINGLE-MODE
FIBEROPTIC WAVE-GUIDES ON THE BASIS OF THE OFFSET TECHNIQUE
KVANTOVAYA ELEKTRONIKA 17(8), 1063-1066 (1990)

161. BELOV, AV; GURYANOV, AN; GUSOVSKII, DD; DEVYATYKH, GG; DIANOV, EM; KURKOV, AS; MIROSHNICHENKO, SI; PROKHOROV, AM; SEMENOV, VA; CHIKOLINI, AV.

SINGLE-MODE FIBEROPTIC WAVE-GUIDES WITH THE ZERO CHROMATIC DISPERSION WAVELENGTH SHIFTED TO THE REGION OF 1.55 $\mu\text{-M}$
KVANTOVAYA ELEKTRONIKA 17(3), 266-267 (1990)

162. BELOV, AV; KURKOV, AS; MIROSHNICHENKO, SI; SEMENOV, VA.
RADIATIVE LOSSES IN SINGLE-MODE FIBEROPTIC WAVEGUIDES WITH DEPRESSED CLADDING

KVANTOVAYA ELEKTRONIKA 16(11), 2305-2309 (1989)

163. BELOV, AV; KURKOV, AS; SEMENOV, VA; CHICOLINI, AV.
THE MEASUREMENT OF CHROMATIC DISPERSION IN SINGLE-MODE FIBERS BY INTERFEROMETRIC LOOP

JOURNAL OF LIGHTWAVE TECHNOLOGY 7(5), 863-868 (1989)

164. BELOV, AV; KURKOV, AS; CHICOLINI, AV.
CALCULATION AND MEASUREMENT OF WAVE-GUIDE CHARACTERISTICS IN SINGLE-MODE FIBER-OPTIC WAVE-GUIDES WITH DEPRESSED CLADDINGS

KVANTOVAYA ELEKTRONIKA 16(2), 354-356 (1989)

165. VOLMAN, VI; KURKOV, AS; FRENKEL, LA.
INVESTIGATION OF SINGLE-MODE DISPERSION-SHIFTED FIBERS WITH THE DECREASED CUTOFFS FREQUENCY OF THE 1ST HIGHER MODE

RADIOTEKHNIKA I ELEKTRONIKA 34(1), 155-161 (1989)

166. BELOV, AV; KURKOV, AS; SEMENOV, VA; CHICOLINI, AV.
THE MEASUREMENT OF THE CHROMATIC DISPERSION IN SINGLE-MODE FIBER-OPTIC WAVE-GUIDES BY THE INTERFEROMETRIC LOOP METHOD

KVANTOVAYA ELEKTRONIKA 15(10), 2152-2155 (1988)

167. Belov, A.V.; Kurkov, A.S.; Semenov, V.A.; Chikolini, A.V..

Determination of the chromatic dispersion in single-mode fiber waveguides by a ring interferometer method

Soviet Journal of Quantum Electronics 18(10), (1988)

168. BELOV, AV; KURKOV, AS; FRENKEL, LA.
CHROMATIC DISPERSION MEASUREMENT AND COMPUTATION OF DOUBLE-LAYER SINGLE-MODE FIBEROPTIC WAVE-GUIDE

KVANTOVAYA ELEKTRONIKA 14(10), 2062-2063 (1987)

169. BELOV, AV; GURYANOV, AN; GUSOVSKIF, DD; DEVVATYKH, GG; DIANOV, EM; KURKOV, AS; MIROSHNICHENKO, SI; NEUSTRUEV, VB; PROKHOROV, AM.
SINGLE-MODE FIBEROPTIC WAVE-GUIDES WITH LOSSES LESS THAN 1 DB/KM

KVANTOVAYA ELEKTRONIKA 14(6), 1309-1310 (1987)

170. Belov, A.V.; Kurkov, A.S.; Frenkel, L.A..

Determination and calculation of chromatic dispersion in two-layer single-mode fiber

waveguides

Soviet Journal of Quantum Electronics 17(10), (1987)

171. BELOV, AV; DIANOV, EM; KURKOV, AS.
MEASUREMENT OF THE CHROMATIC DISPERSION IN SINGLE-MODE FIBEROPTIC
WAVE-GUIDES BY THE INTERFEROMETRIC METHOD
KVANTOVAYA ELEKTRONIKA 13(8), 1680-1682 (1986)

172. BELOV, AV; DIANOV, EM; IGNATEV, SV; KURKOV, AS; NEUSTRUEV, VB;
CHICOLINI, AV.
A COMPARISON OF DIFFERENT TECHNIQUES FOR MEASUREMENT OF
PARAMETERS OF THE EQUIVALENT STEPPED PROFILE IN SINGLE-MODE
FIBEROPTIC WAVE-GUIDES
KVANTOVAYA ELEKTRONIKA 13(1), 11-14 (1986)

173. Belov, A.V.; Dianov, E.M.; Kurkov, A.S..
Determination of chromatic dispersion in single-mode fiber waveguides by an interference
method
Soviet Journal of Quantum Electronics 16(8), (1986)

174. BELOV, AV; GURYANOV, AN; GUSOVSKII, DD; DIANOV, EM; KURKOV, AS;
NEUSTRUEV, VB; KHOPIN, VF; CHIKOLINI, AV.
BEND LOSSES IN SINGLE-MODE FIBER-OPTIC WAVE-GUIDES
KVANTOVAYA ELEKTRONIKA 12(5), 1076-1078 (1985)

175. BELOV, AV; DIANOV, EM; KURKOV, AS; NEUSTRUEV, VB; CHICOLINI, AV.
EQUIVALENT STEP-INDEX (ESI) PROFILE OF ELLIPTIC-CORE SINGLE-MODE FIBERS
OPTICS COMMUNICATIONS 56(2), 93-94 (1985)

176. Belov, A.V.; Gur'yanov, A.N.; Gusovskii, D.D.; Dianov, E.M.; Kurkov, A.S.; Neustruev,
V.B.; Khopin, V.F.; Chikolini, A.V..
Bending losses in single-mode fiber waveguides
Soviet Journal of Quantum Electronics 15(5), (1985)