

Kovács Attila hivatkozási listája
(utolsó frissítés: 2004.10.18.)

Z. Bor, K. Osvay, H. A. Hazim, **A. Kovács**, G. Szabó, B. Rácz, and O.E. Martinez:
Adjustable prism compressor with constant transit time for synchronously pumped mode locked laser
Opt. Commun. **90** (1992) 70. (IF: 1.11)

1. T. Haberle, J. Hirsch, F. Pollinger, H. Heitele, M. E. Michelbeyerle, C. Anders, A. Dohling, C. Krieger, A. Ruckemann, and H. A. Staab: "Ultrafast charge separation and driving-force dependence in cyclophane-bridged Zn-porphyrin-quinone molecules," J. Phys. Chem. **100** (1996) 18269-18274
2. G.C.Diels, W.Rudolph: *Ultrashort laser pulses phenomena* (Academic Press, New York, 1996)

Z. L. Horváth, Zs. Benkő, **A. P. Kovács**, H. A. Hazim, and Zs. Bor:
Propagation of femtosecond pulses through lenses, gratings and slits
Opt. Eng. **32** (1993) 2491. (IF: 0.6)

3. E. Ibragimov, E. A. Volynkina: "Effect of initial space distribution on the temporal form of ultrashort light pulses in the focal plane of a lens," Optics Letters **19** (1994) 2140-2142
4. Z. Y. Wang, Z. Z. Xu, and Z. Q. Zhang: "Diffraction integral formulas of the pulsed wave field in the temporal domain," Optics Letters **22** (1997) 354-356
5. G. P. Agrawal: "Spectrum-induced changes in diffraction of pulsed optical beams," Optics Communications **157** (1998) 52-56
6. G. P. Agrawal: "Far-field diffraction of pulsed optical beams in dispersive media," Optics Communications **167** (1999) 15-22
7. R. Netz, T. Feurer: "Diffraction of ultrashort laser pulses and applications for measuring pulse front distortion and pulse width", Applied Physics B **70** (2000) 813-819

Zs. Bor, and A. P. Kovács:
Diffraction of ultrashort pulses from a grating
Proc. SPIE **1983** (1993) 524

8. M. Bertolotti, A. Ferrari, and L. Sereda: "Far-zone diffraction of polichromatic and nonstationary plane waves from a slit," J. Opt. Soc. Am. B. **12** (1995) 1519
9. L. Sereda, A. Ferrari, and M. Bertolotti: "Spectral and time evaluation in diffraction from a slit of polychromatic and nonstationary plane waves," J. Opt. Soc. Am. B **13** (1996) 1394
10. L. Sereda, A. Ferrari, and M. Bertolotti: "Spectral and time evolution of non-stationary plane waves in a two-beam interference experiment," Journal of Modern Optics **43** (1996) 2503-2522
11. L. Sereda, A. Ferrari, and M. Bertolotti: "Diffraction of a pulsed plane wave from an amplitude diffraction grating," Journal of Modern Optics **44** (1997) 1321-1343
12. M. Bertolotti, L. Sereda, and A. Ferrari: "Application of the spectral representation of stochastic processes to the study of nonstationary light radiation: A tutorial," Pure and Applied Optics **6** (1997) 153-171

A. P. Kovács, R. Szipöcs, K. Osvay, and Zs. Bor:

Group delay measurement on laser mirrors by spectrally resolved white light interferometry
Opt. Lett. **20** (1995) 788. (IF: 2.63)

13. D.Kopf, G. Zhang, R. Fluck, M. Moser, and U. Keller: “*All-in-one dispersion-compensating saturable absorber mirror for compact femtosecond laser sources*,” Optics Letters **21** (1996) 486-488
14. S. Diddams, J. C. Diels: “*Dispersion measurements with white-light interferometry*,” J. Opt. Soc. Am. B **13** (1996) 1120-1129
15. A.Baltuska, Z. Wei, M. S. Pshenichnikov, and D. A. Wiersma: “*Optical pulse compression to 5 fs at a 1-MHz repetition rate*,” Optics Letters **22** (1997) 102-104
16. D. Meshulach, D. Yelin, and Y. Silberberg: “*Real-time spatial-spectral interference measurements of ultrashort optical pulses*,” J. Opt. Soc. Am. B **14** (1997) 2095-2098
17. F. Lexer, C. K. Hitzenberger, A. F. Fercher, and M. Kulhavy: “*Wavelength-tuning interferometry of intraocular distances*,” Appl. Opt. **36** (1997) 6548-6553
18. D. Meshulach, D. Yelin, and Y. Silberberg: “*White light dispersion measurements by one- and two-dimensional spectral interference*,” IEEE J. Quantum Electron **33** (1997) 1969-1974
19. D. H. Sutter, I. D. Jung, F. X. Kartner, N. Matuschek, F. Morier-Genoud, V. Scheuer, M. Tilsch, T. Tschudi, and U. Keller: “*Self-starting 6.5-fs pulses from a Ti : sapphire laser using a semiconductor saturable absorber and double-chirped mirrors*,” IEEE J. Sel. Topics Quantum Electron **4** (1998) 169-178
20. Y. Liang, C. P. Grover: “*Modified white-light Mach-Zehnder interferometer for direct group-delay measurements*,” Appl. Opt. **37** (1998) 4105-4111
21. A. Shirakawa, I. Sakane, M. Takasaka, and T. Kobayashi: “*Sub-5-fs visible pulse generation by pulse-front-matched noncollinear optical parametric amplification*,” Applied Physics Letters **74** (1999) 2268-2270
22. I Walmsley, L. Waxer, C. Dorrer: „*The role of dispersion in ultrafast optics*,” Rev. Sci. Instrum. **72** (2001) 1-29
23. P. Hlubina: “*White-light spectral interferometry with the uncompensated Michelson interferometer and the group refractive index dispersion in fused silica*,” Optics Communications **193** (2001) 1-7
24. B.H. Lee, Y.J. Kim, Y.J. Chung, W.T. Han, U.C. Paek: “*Fiber modal index measurements based on fiber gratings*,” Fiber And Integrated Optics. **20** (2001) 443-455
25. C. Dorrer, M. Joffre: “*Characterization of the spectral phase of ultrashort light pulses*,” Cr Acad Sci IV-Phys. **2** (2001) 1415-1426
26. S. Nikitin, A. Cui, Q. Fu, CLEO 2001, Baltimore, MA, USA, paper CWA12
27. A.Baltuska, T.Kobayashi: “*Adaptive shaping of two-cycle visible pulses using a flexible mirror*,” Applied Physics B **75** (2002) 427-443
28. D. Yelin, B.E. Bouma, N. Iftimia, G.J. Tearney: „[Three-dimensional spectrally encoded imaging](#),” Optics Letters **28** (2003) 2321-2323

K. Osvay, G. Kurdi, J. Hebling, **A. P. Kovács**, Z. Bor, and R. Szipöcs:

Measurement of the group delay of laser mirrors by a Fabry-Perot interferometer
Opt. Lett. **20** (1995) 2339-2341 (IF: 2.63)

29. Y. Liang, C. P. Grover: “*Modified white-light Mach-Zehnder interferometer for direct group-delay measurements*,” Applied Optics **37** (1998) 4105-4111
30. P. Hlubina: “*Group velocity dispersion in fused-silica sample measured using white-light interferometry with the equalization wavelength determination*,” Optik **113** (2002) 149-152

31. T. Imran, K. H. Hong, T. J. Yu, C. H. Nam: „*Measurement of the group-delay dispersion of femtosecond optics using white-light interferometry*”
Rev. Sci. Instr. **75** (2004) 2266-2270
-

A. P. Kovács, K. Varjú, K. Osvay, and Zs. Bor:
On the formation of white-light interference fringes
Am. J. Phys. **66** (1998) 985. (IF: 0.68)

J. A. Fülöp, A. P. Kovács, and Zs. Bor:
Dispersion-compensated two-pass arrangement for second harmonic generation of femtosecond pulses
Laser Physics **10** (2000) 437. (IF: 0.66)

R. Szipöcs, A. Köházi-Kis, S. Lakó, P. Apai, A. P. Kovács, G. DeBell, L. Mott, A. W. Louderback, A. V. Tikhonravov, and M. K. Trubetskov:
Negative dispersion mirrors for dispersion control in femtosecond lasers: chirped dielectric mirrors and multi-cavity Gires-Tournois interferometers
Appl. Phys. B **70** (2000) S51. (IF: 1.91)

32. Sorokin E, Sorokina IT, Wintner E: „*Diode-pumped ultra-short-pulse solid-state lasers,*” Appl. Phys. B. **72** (2001) 3-14
33. E. Wintner, E. Sorokin, I.T. Sorokina: „*Recent developments in diode-pumped ultrashort pulse solid-state lasers,*” Laser Physics **11** (2001) 1193-1200
34. B. Agate, B. Stormont, A.J. Kemp, C.T.A. Brown, U. Keller, W. Sibbett: „*Simplified cavity designs for efficient and compact femtosecond Cr : LiSAF lasers*” Opt. Commun **205** (2002) 207-213
35. V.L. Kalashnikov, E. Sorokin, S. Naumov, I.T. Sorokina: „[Spectral properties of the Kerr-lens mode-locked Cr4+: YAG laser](#),” J. Opt. Soc. Am. B **20** (2003) 2084-2092
-

J. A. Fülöp, A. P. Kovács, and Zs. Bor:
Broadband dispersion-compensated two-pass second harmonic generation of femtosecond pulses
Opt. Commun. **188** (2001) 365. (IF: 1.19)

36. Cardoso L, Figueira G: „[Bandwidth increase by controlled angular dispersion of signal beam in optical parametric amplification](#),” Optics Express **12** (2004) 3108-3113
-

K. Varjú, A. P. Kovács, G. Kurdi, K. Osvay:
High-precision measurement of angular dispersion in a CPA laser
Appl. Phys. B. **74** (2002) S259. (IF: 1.91)

37. Y. Nabekawa, K. Midorikawa: „*Broadband sum frequency mixing using noncollinear angularly dispersed geometry for indirect phase control of sub-20-femtosecond UV pulses,*” Optics Express **11** (2003) 324-338
38. S. Akturk, M. Kimmel, P. O'Shea, R. Trebino: „*Measuring pulse-front tilt in ultrashort pulses using GRENOUILLE,*” Optics Express **11** (2003) 491-501
39. Y. Nabekawa, K. Midorikawa: „[High-order pulse front tilt caused by high-order angular dispersion](#),” Optics Express **11** (2003) 3365-3376
40. S. Akturk, M. Kimmel, P. O'Shea, R. Trebino: „*Measuring spatial chirp and pulse-front tilt in ultrashort pulses using single-shot FROG,*” in Ultrafast Optics IV, Eds.: F. Krausz, G. Korn, P. Corkum, I. A. Walmsley (Springer, Berlin, 2004) 129-134

41. S. Akturk, X. Gu, E. Zeek, R. Trebino: „*Pulse-front tilt caused by spatial and temporal chirp*”, Optics Express **12** (2004) 4399-4410

K. Varjú, **A. P. Kovács**, K. Osvay, G. Kurdi:
Angular dispersion of femtosecond pulses in a Gaussian beam
Opt. Lett. **27** (2002) 2034-2036. (IF: 2.99)

42. S. Akturk, M. Kimmel, P. O'Shea, R. Trebino: „*Measuring pulse-front tilt in ultrashort pulses using GRENOUILLE*,” Optics Express **11** (2003) 491-501

43. Y. Nabekawa, K. Midorikawa: „[High-order pulse front tilt caused by high-order angular dispersion](#),” Optics Express **11** (2003) 3365-3376

44. S. Akturk, M. Kimmel, P. O'Shea, R. Trebino: „*Measuring spatial chirp and pulse-front tilt in ultrashort pulses using single-shot FROG*,” in Ultrafast Optics IV, Eds.: F. Krausz, G. Korn, P. Corkum, I. A. Walmsley (Springer, Berlin, 2004) 129-134

45. S. Akturk, X. Gu, E. Zeek, R. Trebino: „*Pulse-front tilt caused by spatial and temporal chirp*”, Optics Express **12** (2004) 4399-4410

K. Osvay, P. Dombi, **A. P. Kovács**, Z. Bor:
Fine tuning of the higher-order dispersion of a prismatic pulse compressor
Appl. Phys. B **75** (2002) 649. (IF: 1.91)

K. Osvay, **A. P. Kovács**, Zs. Heiner, G. Kurdi, J. Klebniczki, M. Csatári:
Angular dispersion and temporal change of femtosecond pulses from misaligned pulse compressors
Sel. Top. in IEEE J. Quant. Electron. **10** (2004) 213.

Z.L. Horváth, J. Klebniczki, G. Kurdi, **A. P. Kovács**:
Experimental investigation of the boundary wave pulse
Optics Communications **239** (2004) 243.