L I T E R A T U R A

[1] I. V. Volovich, *Number theory as the ultimate physical theory*, CERN preprint, CERN-TH.4781/87 (July 1987),

[2] A. P. Lightman, W. H. Press, R. H. Price, S. A. Teukolsky, *Problem book in relativity and gravitation*, Princeton University press, Princeton, New Jersey, 1975,

[3] B. G. Sidhart, *Eur. J. Phys.* **21**, L25 (2000),

[4] L. J. Garay, *Int. J. Mod. Phys.* **A10**, 145 (1995),

[5] Z. Marić, *Problemi merenja u teoriji gravitacije*, SFIN II, broj 2, 57 (1989),

[6] A. Knauf, *Rev. in Math. Phys* **11(8)**, 1027 (1999),

[7] I. V. Volovich, *Class. Quantum Grav.* **4**, L83 (1987),

[8] P. G. O. Freund and E Witten, *Phys. Lett.* **B199**, 191 (1987),

[9] V. S. Vladimirov, I. V. Volovich, *Dokl. Akad. Nauk SSSR* **302**, 320 (1988),

[10] V. S. Vladimirov, I. V. Volovich and E. I. Zelenov, *p-adic Analysis and Mathematical Physics*, World Scientific, Singapore 1994,

[11] C. Alacoque, P. Ruelle, E. Thiran, D. Verstegen and J. Weyers, *Phys. Lett.* **B211**, 59 (1988),

[12] V. S. Vladimirov and I. V. Volovich, *Commun. Math. Phys.* **123**,

659 (1989),

[13] E. I. Zelenov, *Theor. Math. Phys.* **80**, 253 (1989),

[14] H. Weyl, *The Theory of Groups and Quantum Mechanics*, Dover, New York, 1931,

[15] G. S. Đorđević, *O p-adičnoj i adeličnoj kvantnoj mehanici*, doktorska disertacija, Fizički fakultet, Beograd, 1999,

[16] G. S. Đorđević, *Adelični harmonijski oscilator sa vremenski zavisnom frekvencijom*, magistarska teza, Fizički fakultet, Beograd, 1995,

[17] G. S. Djordjević, B. Dragovich and Lj. Nešić, *Mod. Phys. Lett.* **A14**, 317 (1999),

[18] G. S. Djordjević, B. Dragovich and Lj. Nešić, *p-Adic and Adelic Free Particle,* Proceedings of the XI Yugoslav Conference on the Nuclear and Particle Physics, Studenica, 316 (1998),

[19] G. Djordjević, B. Dragovich, Lj. Nešić, *Free Particle and Space-Time Discreteness at the Plank Scale,* Proceedings 4th Int. A. Friedmann Seminar on Grav. and Cosmology, St. Petersburg (Russia), June (1998). Eds. Yu.N. Gnedin et al., Campinas, Brazil, 470 (1999),

[20] G. S. Djordjević, B. Dragovich, Lj. Nešić, *Adelic Free Particle and Space-Time Discreteness,* Proceedings of 13th Conference on Applied Mathematics PRIM'98, Igalo (1998),

[21] I. Ya. Aref'eva, B. Dragovich, P. H. Frampton and I. V. Volovich, *Int. J. Mod. Phys.* **A6**, 4341 (1991),

[22] B. Dragovich and Lj. Nešić, *Facta Universitatis,* **1**, 223 (1996),

[23] B. Dragovich, *Adelic generalization of wave function of the Universe*, Publ. Obs. Astron. Belgrade **49**, 143 (1995),

[24] B. Dragovich and Lj. Nešić, *Adelic Models of the Universe,* Proc. of the Conference BPU-3, Cluj-Napoca (Romania), *Bal. Phys. Lett.* **5** Suppl., 104 (1997),

[25] B. Dragovich and Lj. Nešić, *On Space and Time at Very Small Distances,* 10th Yugoslav Simposium on the Nuclear and Particle Physics, September (1996) Kopaonik, Eds. I. Bikit, Novi Sad,

Yugoslavia, 102 (1997),

[26] J. B. Hartle, S. W. Hawking, *Phys. Rev.* **D28**, 2960 (1983),

[27] J. J. Halliwell, *Introductory Lectures on Quantum Cosmology,* Proceedings of the Jerusalem Winter School on Quantum Cosmology and Baby Universes, edited by T. Piran (1990),

[28] S. W. Hawking, *Quantum Cosmology,* in *Relativity Groups and Topology II,* Proceedings of the Les Houches Summer School, Les Houches, France, 1983, edited by B. DeWitt and R. Stora, Les Houches Summer School Proceedings, Vol. 40 (North Holand, Amsterdam, 1984),

[29] D. Wiltshire, *An Introduction to Quantum Cosmology,* Proceedings of the 8th Physics Summer School, Australian National University, Canberra, Australia, 16 January - 3 Febryary, 1995, edited by B. Robson, N. Visvanathan and W. S. Woolcock, World Scientific, Singapore, 473 (1996).

[30] Lj. Nešić, *O p-adičnoj i adeličnoj generalizaciji talasne funkcije vasione,* magistarski rad, Fizički fakultet, Beograd, 1996,

[31] Gel'fand I. M., Graev I. M., Piatetskii-Shapiro I. I.: *Representation Theory and Automorphic Functions*, Saunders, London, 1966,

[32] B. Dragovich, *Theor. Mat. Phys.* **101**, 349 (1994),

[33] B. Dragovich, *Int. J. Mod. Phys.* **A10**, 2349 (1995),

[34] B. Dragovich and Lj. Nešić, *Gravitation and Cosmology,* **5**, 222 (1999),

[35] G. S. Djordjević, B. Dragovich, *On p-Adic Functional Integration*, u Proc. of II Math. Conference in Priština, Priština, 221 (1997),

[36] G. S. Djordjević, B. Dragovich, *Feynman Path Integral on p-Adic Spaces,* in Proc. of the Conference *Path Integrals from peV to TeV (PI'98)* Firenza, World Scientific, Singapore, 189 (1999),

[37] G. S. Djordjević, B. Dragovich, *Mod. Phys. Lett* **A**, 1455 (1997),

[38] G. S. Djordjević, B. Dragovich and Lj. Nešić, *Feynman Path Integral on p-Adic Line,* XIII International Congress on Mathematical Physics, London (2000),

[39] G. Djordjević, B. Dragovich, Lj. Nešić, *Adelic Quantum Mechanics: Nonarchimedean and Noncommutative Aspects,* NONCOMMUTATIVE STRUCTURES IN MATHEMATICS AND PHYSICS, 24-27 Septembar 2000 Kiev, Ukraine,

[40] N. Koblitz, *p-Adic Numbers, p-Adic Analisys and Zeta Functions,* Springer-Verlag, New-York, 1977,

[41] K. Mahler, *p-Adic Numbers and Their Functions,* Cambridge U. P., Cambridge 1984,

[42] W. H. Schikhof, *Ultrametric Calculus,* Cambridge, 1984,

[43] Z. I. Borevich and I. R. Shafarevich, *The Number Theory,* Academic Press, New-York, 1966,

[44] A. Khrennikov, *p-Adic Valued Distributions in Mathematical Physics*, Kluwer Academic Publishiers, Dodrecht, 1994,

[45] V. S. Vladimirov, *Tables of Integrals of Complex-valued Functions of p-Adic Arguments,* Los Alamos preprint archive, http://xxx.lanl.gov, math-ph/9911027,

[46] C. Rovelli, *Notes for a brief history of quantum gravity,* Presented at the 9th Marcel Grossman Meeting in Roma, July 2000, Los Alamos preprint archive, http://xxx.lanl.gov, gr-qc/0006061,

[47] J. J. Halliwell, J. B. Hartle, *Phys. Rev.* **D41**, 1815 (1990),

[48] J. Louko, *Class. Quantum Grav.* **4**, 581 (1987),

[49] J. J. Halliwell, J. Louko, *Phys. Rev.* **D39**, 2206 (1989),

[50] J. Halliwell, *Phys. Rev.* **D38**, 2468 (1988),

[51] *Handbook of Mathematical Functions*, Natl. Bur. Stand. Appl. Math. Ser. No. 55, edited by M. Abramovitz and I. A. Stegun, U. S. GPO, Washington, DC (1965),

[52] J. J. Halliwel, R. C. Myers, *Phys. Rev.* **D40**, 4011 (1989),

[53] L. J. Garay, J. J. Halliwel, G. A. Mena Marugán, *Phys. Rev.* **D43**, 2572 (1991),

[54] D. N. Page, *J. Math. Phys.* **32**, 3427 (1991),

[55] J. Louko, *Phys. Rev.* **D**, 2708 (1993), takođe http://xxx. lanl.gov,

gr-qc/9305003,

[56] G. A. Marugán, *Class. Quant. Grav.* **11**, 589 (1994), takođe http://xxx.lanl.gov, gr-qc/9309024

[57] D. Marolf, *Phys. Rev.* **D53**, 6979 (1996),

[58] A. Peres, *Critique of the Wheeler-DeWitt equation*, in "On Einstein's Path", ed. by A. Harvey, Springer, 367 (1998),

[59] A. Ishikawa and H. Ueda, *Int. J. Mod. Phys.* **D2**, 249 (1993),

[60] A. Monna and F. Blij, *J. Math. Anal. and Appl.* **22**, 537 (1968),

[61] E. Beltrameti and G. Cassinelli, *Found. Phys.* **2**, 1 (1972),

[62] I. Ya. Aref'eva, B. Dragovic and I. V. Volovich, *Phys. Lett.* **B200**, 512 (1988),

[63] L. Brekke and P. G. O. Freund, *Phys. Reports*, **233**, 1 (1993),

[64] V. S. Vladimirov, *Usp. Math. Nauk,* **43**, 17 (1988),

[65] D. Dimitrijević, G. S. Đorđević and B. Dragovich, *On Schrodinger-type Equation on p-Adic Spaces*, Prezentovano na konferenciji BPU-4, 22-25 August 2000, Veliko Turnovo, Bulgaria,

[66] D. Dimitrijević, *O jednom pseudodiferencijalnom operatoru u p-adičnoj kvantnoj mehanici*, Naučni podmladak, (1999),

[67] G. S. Djordjević and B. Dragovich, *Bal. Phys. Lett.* **7**, 150 (1999),

[68] R. MacKenzie, *Path Integral Methods and Applications*, Lectures given at Recountres du Vietnam: VIth Vietnam School of Physics, Vung Tau, Vietnam, 27 December 1999 - 8 January 2000, http://xxx.lanl.gov, quant-ph/0004090,

[69] R. P. Feynman, *Rev. Mod. Phys.* **20**, 367 (1948),

[70] R. P. Feynman, A. Hibbs, *Quantum Mechanics and Path Integrals*, McGraw Hill, New York, 1965,

[71] H. Kleinert, *Path Integrals in Quantum Mechanics, Statistics and Polymer Physics*, World Scientific, Singapore, 1990,

[72] C. Morette, *Physical Review* **81**, 848 (1951),

[73] C. C. Grosjean and M. J. Govaerts, *J. Comp. Appl. Math.* **21**,

311 (1988),

[74] C. C. Grosjean, *J. Comp. Appl. Math.* **23**, 199 (1988),

[75] B. Dragovich, *On p-adic path integral*, http://xxx.lanl.gov, math-ph/0005020,

[76] G. S. Djordjević and B. Dragovich, *p-Adic and Adelic Path Integrals*, Proceedings of the XI Yugoslav Conference on the Nuclear and Particle Physics, Studenica, 312 (1998),

[77] B. Dragovich, *Adelic Wave Function of the Universe,* Proceeding of the Third Alexander Friedmann International Seminar on Gravitation and Cosmology, St. Petersburg, (1995),

[78] B. Dragovich, *Adelic Aspects of Quantum Cosmology*, in Proceedings of 8th Lomonosov Conference on Elementary Particle Physics, Moscow, 25-30 August (1997). Edited by A. I. Studenikin, Moscow 116 (1999).

[79] J. J. Halliwell and J. Louko, *Phys. Rev.* **D**, 3997 (1990),

[80] J. Louko, *The Propagator of Quantum Gravity in Minisuperspace,* Preprint Nordita-85/16,

[81] G. S. Djordjević, B. Dragović i Lj. Nešić, *O p-adičnim i adeličnim kvantnim modelima*, X KONGRES FIZIČARA JUGOSLAVIJE, 27-29.3.2000, Zbornik radova, knjiga II, 767 (2000),

[82] B. Dragović i Lj. Nešić, *Dvodimenzionalni miniusuperprostorni modeli u p-adičnoj i adeličnoj kvantnoj mehanici*, X KONGRES FIZIČARA JUGOSLAVIJE, 27-29. 3. 2000, Zbornik radova, knjiga II, 863 (2000).