

List of publications

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Papers related to the mathematical development of the concept of space

V. Krasnoholovets, On the way to submicroscopic description of nature, *Indian Journal of Theoretical Physics*, vol. 49, no. 2, 81-95 (2001) (pdf file 152 kb ; also arXiv.org e-print archive <http://arXiv.org/abs/quant-ph/9908042>).

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M. Bounias and V. Krasnoholovets, How space generates matter and physical laws. In: *Science addendum to: I. Harezi, The resonance in residence. An inner and outer quantum journey* (Ilonka Harezy, USA, 2002), Ch. 4, pp. 33-53.

M. Bounias and V. Krasnoholovets, Scanning the structure of ill-known spaces: Part 1. Founding principles about mathematical constitution of space, *Kybernetes: The International Journal of Systems and Cybernetics*, vol. 32, no. 7/8, 945-975 (2003) [in a special issue on some new theories about time and space] (pdf file 288 kb ; also <http://arXiv.org/abs/physics/0211096>).

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V. Krasnoholovets, The tessellattice of mother-space as a source and generator of matter and physical laws, in *Einstein and Poincare: The Physical Vacuum*, Ed.: V. Dvoeglazov (Apeiron, Montreal, 2006), pp. 143-153 (pdf file 143 kb).

V. Krasnoholovets, Gravitation as deduced from submicroscopic quantum mechanics, arXiv.org e-print archive, hep-th/0205196 (pdf file 236 kb ; also <http://arXiv.org/abs/hep-th/0205196>)

V. Krasnoholovets, Newton's static potential $1/r$ as the space relief formed by dynamic inertons, carriers of the gravitational interaction, *Spacetime & Substance* 4, no. 4, 145-151 (2003) (pdf file 144 kb)

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Papers dealing with the development of sub-microscopic mechanics, particles and the relationship with quantum mechanics

V. Krasnoholovets and D. Ivanovsky, Motion of a particle and the vacuum, *Physics Essays*, vol. 6, no. 4, 554-563 (1993) (pdf file 160 kb ; also <http://arXiv.org/abs/quant-ph/9910023>).

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V. Krasnoholovets, Space structure and quantum mechanics, *Spacetime & Substance*, vol. 1, no. 4, 172-175 (2000) (pdf file 144 kb ; also <http://arXiv.org/abs/quant-ph/0106106>) [Invited talk given at the Ukrainian Russian conference "Gravitation, Cosmology and Relativistic Astrophysics", Kharkiv, Ukraine, 8-12 November 2000].

V. Krasnoholovets, On the mass of elementary carriers of gravitational interaction, *Spacetime & Substance*, vol. 2, no. 4, 169-170 (2001) (pdf file 96 kb ; also <http://arXiv.org/abs/quant-ph/0201131>).

V. Krasnoholovets, Submicroscopic deterministic quantum mechanics, *International Journal of Computing Anticipatory Systems*, vol. 11, 164-179 (2002), Ed.: D. Dubois (pdf file 188 kb ; also <http://arXiv.org/abs/quant-ph/0109012>) [Invited talk delivered at the Fifth International Conference on Computing Anticipatory Systems (CASYS'2001), Liege, Belgium, 13-18 August 2001].

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V. Krasnoholovets, Newton's static potential $1/r$ as a space relief formed by dynamic inertons, carriers of the gravitational interaction, Spacetime & Substance, vol. 4, no. 4, 145-151 (2003) [Talk prepared for the Second Ukrainian-Russian Conference 'Gravitation, Cosmology and Relativistic Astrophysics', Inst. TTR, Kharkiv, Ukraine, June, 23-27, 2003] (pdf file 144 kb).

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V. Krasnoholovets, Reasons for the gravitational mass and the problem of quantum gravity, in Ether, Spacetime and Cosmology, Vol. 1, Eds.: M. Duffy, J. Levy and V. Krasnoholovets (PD Publications, Liverpool, 2008), pp. 419-450 (ISBN 1 873 694 10 5) (pdf file 188 kb).

Papers related to the development of the concept of mass and gravity

M. Bounias and V. Krasnoholovets, Scanning the structure of ill-known spaces: Part 2. Principles of construction of physical space, *Kybernetes: The International Journal of Systems and Cybernetics*, vol. 32, no. 7/8, 976-1004 (2003) [in a special issue on some new theories about time and space] (pdf file 268 kb ; also <http://arXiv.org/abs/physics/0212004>).

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V. Krasnoholovets, Gravitation as deduced from submicroscopic quantum mechanics pdf file 236 kb ; also <http://arXiv.org/abs/hep-th/0205196>.

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V. Krasnoholovets, Gravitational mass and the quantum gravity, *Proceedings of the Conference Physical Interpretation of Relativity Theory X*, Ed.: M. Duffy (Imperial College, London, 8 to 11 September 2006), to be published by PD Publications, Liverpool (2008).

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V. Krasnoholovets, Reasons for nuclear forces in light of the constitution of the real space, *Scientific Inquiry*, vol. 7, no. 1, pp. 25-50 (2006) (pdf file 272 kb).

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Papers related to the development of the concept of charge

V. Krasnoholovets, On the notion of the photon, *Annales de la Fondation Louis de Broglie*, vol. 27, no. 1, 93-100 (2002) (pdf file 108 kb ; also <http://arXiv.org/abs/quant-ph/0202170>).

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E. Andreev, G. Dovbeshko and V. Krasnoholovets, The study of influence of the Tesla technology on aqueous solution of some biomolecules, direct access: *Research Letters in Physical Chemistry*, vol. 2007, Article ID 94286, 5 pages (2007). doi:10.1155/2007/94286; pdf file 1.4 Mb ; also <http://www.hindawi.com/getarticle.aspx?doi=10.1155/2007/94286>

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This page provides links to information about books that contain references, discussions or papers about inerton theory

Kaivarainen, A. (2007). Book: "The Hierarchic Theory of Liquids and Solids. Computerized applications for ice, water, and Biosystems." Nova Science Publishers, NY, USA.

ETHER SPACE-TIME & COSMOLOGY - Volume 1: Modern ether concepts, relativity and geometry - Michael C. Duffy and Joseph Levy Editors - Volodymyr Krasnoholovets Executive editor - for more information about this book, please [click here](#).