

---

## Author index of volume 8 (2005)

- Alexeev D.S.** see **Izyumov Yu.A.** No. 4(44), 801.
- Antonov V.N.** see **Bekenov L.V.** No. 3(43), 565.
- Badiali J.-P.** The concept of entropy. Relation between action and entropy. No. 4(44), 655.
- Badiali J.-P.** see **Holovko M.F.** No. 2(42), 281.
- Bekenov L.V., Antonov V.N., Shpak A.P., Yaresko A.N.** Electronic structure and excited-state properties of  $\text{Co}_2\text{TiSn}$  and  $\text{Co}_2\text{ZrSn}$  from ab initio calculations. No. 3(43), 565.
- Berche B., Berche P.E., Chatelain C., Janke W.** Random Ising model in three dimensions: theory, experiment and simulation – a difficult coexistence. No. 1(41), 47.
- Berche B., Paredes R.** Nematic phase transitions in two-dimensional systems. No. 4(44), 723.
- Berche B.** see **Ivaneyko D.** No. 1(41), 149.
- Berche P.E.** see **Berche B.** No. 1(41), 47.
- Bhuiyan L.B., Outhwaite C.W.** Comparison of density functional and modified Poisson-Boltzmann structural properties for a spherical double layer. No. 2(42), 287.
- Bhuiyan L.B.** see **Patra C.N.** No. 2(42), 425.
- Blum L.** see **Santangelo C.D.** No. 2(42), 325.
- Boda D.** see **Valiskó M.** No. 2(42), 357.
- Busath D.** see **Eisenberg B.** No. 2(42), 237.
- Caillol J.-M., Patsahan O., Mryglod I.** The collective variables representation of simple fluids from the point of view of statistical field theory. No. 4(44), 665.
- Calabrese P., Orlov E.V., Pakhnin D.V., Sokolov A.I.** Critical thermodynamics of two-dimensional  $N$ -vector cubic model in the five-loop approximation. No. 1(41), 193.
- Canet L.** see **Delamotte B.** No. 1(41), 163.
- Chaschin N.I.** see **Izyumov Yu.A.** No. 4(44), 801.
- Chatelain C.** see **Berche B.** No. 1(41), 47.
- Chen M.** Lagrangian vector field and Lagrangian formulation of partial differential equations. No. 2(42), 317.
- Colmenares P.J.** see **Sulbarán B.** No. 2(42), 303.
- Delamotte B., Canet L.** What can be learnt from the nonperturbative renormalization group? No. 1(41), 163.
- Derzhko O., Krokhmalskii T., Hlushak P.** Dynamics of dimer and  $z$  spin component fluctuations in spin-1/2  $XY$  chain. No. 4(44), 859.
- Didukh L., Kramar O., Skorenkyy Yu., Dovhopolyat Yu.** Magnetic field dependence of conductivity and effective mass of carriers in a model of Mott-Hubbard material. No. 4(44), 825.

- 
- Didukh L., Kramar O.** Metallic ferromagnetism in the systems with strongly correlated electrons. No. 3(43), 547.
- Dorofeev S.V.** see **Prudnikov V.V.** No. 1(41), 213.
- Dorosh L.A.** see **Rudavskii Yu.K.** No. 3(43), 579.
- Dovhopaty Yu.** see **Didukh L.** No. 4(44), 825.
- Dudka M., Folk R., Holovatch Yu., Moser G.** Critical slowing down in random anisotropy magnets. No. 4(44), 737.
- Eisenberg B., Busath D., Trokhymchuk A.** Douglas Henderson: from hard spheres to biological channels. No. 2(42), 237.
- Fai L.C., Teboul V., Monteil A., Maabou S., Nsangou I.** Polaron in a quasi 1D cylindrical quantum wire. No. 3(43), 639.
- Fawcett W.R.** Charge distribution effects in the solution chemistry of polyatomic ions. No. 2(42), 413.
- von Ferber C., Holovatch Yu., Palchykov V.** Scaling in public transport networks. No. 1(41), 225.
- von Ferber C.** see **Iro H.** No. 1(41), 3.
- Fernaud M.-J.** see **Mladek B.M.** No. 1(41), 135.
- Folk R.** see **Dudka M.** No. 4(44), 737.
- Frink L.J.D., Martin M.** A combined molecular simulation-molecular theory method applied to a polyatomic molecule in a dense solvent. No. 2(42), 271.
- Galdina O.M.** see **Soldatova E.D.** No. 4(44), 793.
- Guivan A.M.** see **Slivka A.G.** No. 3(43), 623.
- Guymon C.G., Rowley R.L., Harb J.N., Wheeler D.R.** Simulating an electrochemical interface using charge dynamics. No. 2(42), 335.
- Harb J.N.** see **Guymon C.G.** No. 2(42), 335.
- Hellmund M., Janke W.** High-temperature series expansions for random Potts models. No. 1(41), 59.
- Hlushak P.** see **Derzhko O.** No. 4(44), 859.
- Hnatich M., Jurcsin M., Repasan M.** Toy models of developed turbulence. No. 1(41), 123.
- Holovatch Yu.** see **Dudka M.** No. 4(44), 737.
- Holovatch Yu.** see **Iro H.** No. 1(41), 3.
- Holovatch Yu.** see **Ivaneyko D.** No. 1(41), 149.
- Holovatch Yu.** see **von Ferber C.** No. 1(41), 225.
- Holovko M.F., Badiali J.-P.** The contact theorem and sum rules in the theory of electrical double layer. No. 2(42), 281.
- Holtschneider M.** see **Selke W.** No. 1(41), 15.
- Honecker A., Richter J.** Entropy of fermionic models on highly frustrated lattices. No. 4(44), 813.
- Hoover C.G.** see **Hoover Wm.G.** No. 2(42), 247.
- Hoover Wm.G., Hoover C.G.** Nonequilibrium molecular dynamics. No. 2(42), 247.
- Ilnytskyi J.** see **Ivaneyko D.** No. 1(41), 149.
- Iro H., Holovatch Yu., Mryglod I., von Ferber C.** Fluctuations and criticality (dedicated to Reinhard Folk on his 60th birthday). No. 1(41), 3.

- 
- Iro H.** Is classical mechanics based on Newton's laws or Eulers analytical equations? No. 1(41), 11.
- Ivaneyko D., Ilnytskyi J., Berche B., Holovatch Yu.** Criticality of the random-site Ising model: Metropolis, Swendsen-Wang and Wolff Monte Carlo algorithms. No. 1(41), 149.
- Izyumov Yu.A., Chaschin N.I., Alexeev D.S.** A generating functional approach to the sd-model with strong correlations. No. 4(44), 801.
- Janke W.** see **Berche B.** No. 1(41), 47.
- Janke W.** see **Hellmund M.** No. 1(41), 59.
- Jaščur M., Strečka J.** Reentrant transitions of a mixed-spin Ising model on the diced lattice. No. 4(44), 869.
- Jordan P.C.** see **Partenskii M.B.** No. 2(42), 397.
- Jurcisin M.** see **Hnatich M.** No. 1(41), 123.
- Kahl G.** see **Mladek B.M.** No. 1(41), 135.
- Kedyulich V.M.** see **Slivka A.G.** No. 3(43), 623.
- Kirichenko O.V., Peschansky V.G., Stepanenko D.I.** The high-order cyclotron modes in Fermi liquid of Q2D layered conductors. No. 4(44), 835.
- Kleinert H.** Order of superconductive phase transition. No. 1(41), 75.
- Kokhan S.** see **Olemskoi A.** No. 4(44), 761.
- Kolesnikov V.Yu.** see **Prudnikov V.V.** No. 1(41), 213.
- Kosevich A.M.** Excitation spectrum and electrical properties of the condensate of Bose atoms. No. 4(44), 773.
- Kozlovskii M.P., Pylyuk I.V., Prytula O.O.** Behaviour of the order parameter of the simple magnet in an external field. No. 4(44), 749.
- Kozlovskii M.P.** Recurrence relations for the three-dimensional Ising-like model in the external field. No. 3(43), 473.
- Kramar O.** see **Didukh L.** No. 3(43), 547.
- Kramar O.** see **Didukh L.** No. 4(44), 825.
- Krokhmalskii T.** see **Derzhko O.** No. 4(44), 859.
- Leidl R.** see **Selke W.** No. 1(41), 15.
- Levitskii R.R., Zachek I.R., Moina A.P.** Monoclinic elastic and piezoelectric properties of Rochelle salt. Description within the modified Mitsui model. No. 4(44), 881.
- Levitskii R.R.** see **Slivka A.G.** No. 3(43), 623.
- Levitskii R.R.** see **Sorokov S.I.** No. 3(43), 603.
- Maabou S.** see **Fai L.C.** No. 3(43), 639.
- Maier P.G., Schwabl F.** Novel phase transition in two-dimensional  $xy$ -models with long-range interaction. No. 1(41), 103.
- Makitra R., Yevchuk I., Musiy R.** Treatment of the interaction between polymers and liquids in terms of the linear free energies concept. No. 4(44), 779.
- Mansoori G.A.** A perturbation correction of the Flory-Huggins polymer solution theory. No. 2(42), 389.
- Martin M.** see **Frink L.J.D.** No. 2(42), 271.
- Mladek B.M., Fernaud M.-J., Kahl G., Neumann M.** On the thermodynamic properties of the generalized Gaussian core model. No. 1(41), 135.

- 
- Moina A.P.** see **Levitskii R.R.** No. 4(44), 881.
- Moina A.P.** see **Slivka A.G.** No. 3(43), 623.
- Monteil A.** see **Fai L.C.** No. 3(43), 639.
- Moser G.** see **Dudka M.** No. 4(44), 737.
- Mryglod I.** see **Bryk T.** No. 4(44), 653.
- Mryglod I.** see **Caillol J.-M.** No. 4(44), 665.
- Mryglod I.** see **Iro H.** No. 1(41), 3.
- Mryglod I.M.** see **Omelyan I.P.** No. 1(41), 25.
- Musiy R.** see **Makitra R.** No. 4(44), 779.
- Neumann M.** see **Mladek B.M.** No. 1(41), 135.
- Nezbeda I.** see **Vlček L.** No. 2(42), 261.
- Nsangou I.** see **Fai L.C.** No. 3(43), 639.
- Olemskoi A., Kokhan S.** Effective temperature of self-similar time series. No. 4(44), 761.
- Olivares-Rivas W.** see **Sulbarán B.** No. 2(42), 303.
- Omelyan I.P., Mryglod I.M., Tokarchuk M.V.** Wavevector- and frequency-dependent shear viscosity of water: the modified collective mode approach and molecular dynamics calculations. No. 1(41), 25.
- Orlov E.V.** see **Calabrese P.** No. 1(41), 193.
- Outhwaite C.W.** see **Bhuiyan L.B.** No. 2(42), 287.
- Pakhnin D.V.** see **Calabrese P.** No. 1(41), 193.
- Palchykov V.** see **von Ferber C.** No. 1(41), 225.
- Paredes R.** see **Berche B.** No. 4(44), 723.
- Partenskii M.B., Jordan P.C.** Negative capacitance and instability at electrified interfaces: Lessons from the study of membrane capacitors. No. 2(42), 397.
- Patra C.N., Bhuiyan L.B.** The effect of ionic size on polyion-small ion distributions in a cylindrical double layer. No. 2(42), 425.
- Patsahan O.** see **Caillol J.-M.** No. 4(44), 665.
- Pelissetto A., Vicari E.** Interacting  $N$ -vector order parameters with  $O(N)$  symmetry. No. 1(41), 87.
- Peschansky V.G.** see **Kirichenko O.V.** No. 4(44), 835.
- Pinkevich I.P.** see **Vasil'ev A.N.** No. 4(44), 785.
- Plakida N.M.** A theory of superconductivity in cuprates. No. 4(44), 845.
- Ponedilok G.V.** see **Rudavskii Yu.K.** No. 3(43), 579.
- Prudnikov P.V.** see **Prudnikov V.V.** No. 1(41), 213.
- Prudnikov V.V., Prudnikov P.V., Dorofeev S.V., Kolesnikov V.Yu.** Monte Carlo studies of critical behaviour of systems with long-range correlated disorder. No. 1(41), 213.
- Prytula O.O.** see **Kozlovskii M.P.** No. 4(44), 749.
- Pylyuk I.V.** see **Kozlovskii M.P.** No. 4(44), 749.
- Ravindran S., Wu J.** Ion size effect on colloidal forces within the primitive model. No. 2(42), 377.
- Repasan M.** see **Hnatich M.** No. 1(41), 123.
- Richter J.** see **Honecker A.** No. 4(44), 813.
- Romanyuk M.O.** see **Slivka A.G.** No. 3(43), 623.

- 
- Rowley R.L.** see **Guymon C.G.** No. 2(42), 335.
- Rudavskii Yu.K., Ponedilok G.V., Dorosh L.A.** Thermodynamics of structurally disordered *s-d* model. No. 3(43), 579.
- Rudoy Yu.G., Sukhanov A.D.** Towards the unified non-classical physics: account for quantum fluctuations in equilibrium thermodynamics via the effective temperature. No. 3(43), 507.
- Santangelo C.D., Blum L.** Interaction between two rows of localized adsorption sites in a 2D one-component plasma. No. 2(42), 325.
- Schwabl F.** see **Maier P.G.** No. 1(41), 103.
- Selke W., Holtschneider M., Leidl R.** Ising antiferromagnet with mobile, pinned, and quenched defects. No. 1(41), 15.
- Shalaev B.N.** The strong-weak coupling symmetry in 2D  $\Phi^4$  field models. No. 1(41), 113.
- Shopova D.V., Tsvetkov T.E., Uzunov D.I.** Phenomenological study of spin-triplet ferromagnetic superconductors. No. 1(41), 181.
- Shpak A.P.** see **Bekenov L.V.** No. 3(43), 565.
- Shygorin P., Svidzinsky A.** Microscopic derivation of the hydrodynamic equations for the superfluid fermi-systems. No. 4(44), 701.
- Skorenkyy Yu.** see **Didukh L.** No. 4(44), 825.
- Slivka A.G., Kedyulich V.M., Levitskii R.R., Moina A.P., Romanyuk M.O., Guivan A.M.** The effect of external factors on dielectric permittivity of Rochelle salt: humidity, annealing, stresses, electric field. No. 3(43), 623.
- Slobodyan S.B.** see **Vavrukh M.V.** No. 3(43), 453.
- Slobodyan S.B.** see **Vavrukh M.V.** No. 4(44), 711.
- Sokolovsky A.I., Stupka A.A.** Classical fluctuation electrodynamics. No. 4(44), 685.
- Sokolov A.I.** see **Calabrese P.** No. 1(41), 193.
- Soldatova E.D., Galdina O.M.** The critical region thermodynamics of some statistical models. No. 4(44), 793.
- Sorokov S.I., Levitskii R.R., Vdovych A.S.** Spin-glass model with essential short-range competing interactions. No. 3(43), 603.
- Stepanenko D.I.** see **Kirichenko O.V.** No. 4(44), 835.
- Strečka J.** see **Jaščur M.** No. 4(44), 869.
- Stupka A.A.** see **Sokolovsky A.I.** No. 4(44), 685.
- Sukhanov A.D.** see **Rudoy Yu.G.** No. 3(43), 507.
- Sulbarán B., Olivares-Rivas W., Colmenares P.J.** Transverse ion diffusion inside fixed charge narrow pores. No. 2(42), 303.
- Svidzinsky A.** see **Shygorin P.** No. 4(44), 701.
- Teboul V.** see **Fai L.C.** No. 3(43), 639.
- Tokarchuk M.V.** see **Omelyan I.P.** No. 1(41), 25.
- Trokhymchuk A.** see **Eisenberg B.** No. 2(42), 237.
- Tsvetkov T.E.** see **Shopova D.V.** No. 1(41), 181.
- Tyshko N.L.** see **Vavrukh M.V.** No. 4(44), 711.
- Uzunov D.I.** see **Shopova D.V.** No. 1(41), 181.
- Valiskó M., Boda D.** Dielectric constant of the polarizable dipolar hard

- 
- sphere fluid studied by Monte Carlo simulation and theories. No. 2(42), 357.
- Vasil'ev A.N., Pinkevich I.P.** Thermal fluctuations of director orientation in nematic liquid crystals with inclusions. No. 4(44), 785.
- Vavruk M.V., Slobodyan S.B., Tyshko N.L.** Three-particle correlation function in the electron-plasmon model. No. 4(44), 711.
- Vavruk M.V., Slobodyan S.B.** Electron-plasmon model in the electron liquid theory. No. 3(43), 453.
- Vdovych A.S.** see **Sorokov S.I.** No. 3(43), 603.
- Vicari E.** see **Pelissetto A.** No. 1(41), 87.
- Vlček L., Nezbeda I.** Potential of mean force between ions in infinitely diluted simple short-range models of aqueous electrolytes. No. 2(42), 261.
- Wheeler D.R.** see **Guymon C.G.** No. 2(42), 335.
- Wu J.** see **Ravindran S.** No. 2(42), 377.
- Yakibchuk P.** Electron structure of topologically disordered metals. No. 3(43), 537.
- Yaresko A.N.** see **Bekenov L.V.** No. 3(43), 565.
- Yevchuk I.** see **Makitra R.** No. 4(44), 779.
- Zacheck I.R.** see **Levitskii R.R.** No. 4(44), 881.

## Birthdays

**Abraham F.** I am privileged to have been coauthor with Doug. No. 2(42), 241.

**Henderson D.** Ten years older and no wiser. No. 2(42), 243.

In honour of doctor Volodymyr Tretyak on the occasion of his 50th birthday. No. 2(42), 447.

## Editorial

**Bryk T., Mryglod I.** Statistical Physics 2005: Modern problems and new applications (August 28–30, 2005, Lviv, Ukraine). No. 4(44), 653.