

Available online at www.sciencedirect.com





International Journal of Heat and Mass Transfer 47 (2004) 4005-4018

www.elsevier.com/locate/ijhmt

Heat and mass transfer bibliography—CIS works

O.G. Martynenko *

Heat and Mass Transfer Institute, Byelorussian Academy of Sciences, 15, P. Brovka, Minsk 220072, Belarus Received 12 January 2004

1. Books

- S.T. Antipov, V.Yu. Valuisky, V.N. Mesnyankin, Heat and Mass Transfer Drying in Apparatuses with Rotating Drum, Izd. VGTA, Voronezh, 2001.
- G.I. Aronchik, Iteration Methods of Calculation and Optimization of Combined Heat Transfer Processes, Izd. SamGTU, Samara, 1999.
- V.S. Belousov, G.P. Yasnikov, A.V. Ostrovskaya, A.I. Evplanov, E.Yu. Pavlyuk, Thermodynamics, Energy Efficiency, and Ecology, Izd. Poligrafist, Ekaterinburg, 1999.
- N.S. Dyadkin, V.V. Kabanin, I.G. Ovchinnikov, Application of Integral-Interpolation Method to Solving the Problems of Heat Transfer and Diffusion (Textbook), Izd. Nikolaev, Novgorod, 2002.
- V.L. Gusovsky, A.E. Livshits, Heat Engineering: Theoretical Foundation of Calculations of Furnaces (Textbook), Izd. MISiS, Moscow, 2002.
- G.N. Ivanov, Fundamentals of the Hydrodynamics and Heat and Mass Transfer Processes (Textbook), Izd. TGTU, Tver, 2000.
- V.Yu. Izakson, V.I. Sleptsov, S. Bandopadkhai, Mathematical Simulation of Heat and Mass Transfer in Minings of the Arctic, Izd. Nauka, Novosibirsk, 2000.
- R.Z. Kavtaradze, Local Heat Transfer in Piston Engines (Textbook), Izd. MGTU, Moscow, 2001.
- S.D. Korneev, Intensification of Boiling Heat Transfer in Capillary Slit Channels, Izd. MGTU, Moscow, 2001.
- V.V. Kozlyakov, S.D. Korneev, L.A. Maryushin, Problems of Improving the Efficiency of Systems and Apparatuses of Industrial Thermal Engineering, Izd. "Sputnik Plus" Company, Moscow, 2000.
- A.A. Kudinov, Energy Saving in Heat-Generating Installations, Izd. UlGTU, Uliyanovsk, 2000.

- D.M. Kuvatov, T.M. Zubkova, V.L. Kasperovich, Design of Thermal Technological Processes of Grain Drying, Izd. Gilem, Ufa, 2001.
- A.V. Kuznetsov, S.P. Rudobashta, A.V. Simenenko, Fundamentals of Thermal Engineering, Fuel and Lubricating Materials (Textbook), Izd. Kolos, Moscow, 2001.
- N.T. Magnitova, V.I. Panferov, Thermophysical Calculations of Enclosing Structures of Buildings and Constructions (Textbook), second rev. augm. edn., Izd. YuUrGU, Chelyabinsk, 2001.
- B.I. Malinin, Mechanism of Thermoacoustic Auto-Oscillations, Izd. Den Serebra, Moscow, 2000.
- V.V. Melnikov, Heat Conduction of Finite Solid Bodies, Izd. RFYaTs–VNIITF, Snezhinsk, 2001.
- V.N. Posokhin (ed.), Hydrodynamics of Heating–Ventilating and Gas-Purifying Facilities, Izd. KGASA, Kazan, 1999.
- A.S. Pryakhin, P.D. Semenov, Constructions and Heat Calculation of Heat-Exchanging Apparatuses (Textbook), Izd. SPbGUVK, St. Petersburg, 2001.
- T.N. Shigabiev, L.S. Yanovsky, F.M. Galimov, V.F. Ivanov, Physicochemical Resource of Cold of Hydrocarbon Fuels, Izd. Master Lain, Kazan, 2000.
- V.S. Shvydky, M.G. Ladygichev, V.S. Shavrin, Mathematical Methods of Thermal Physics, Izd. Mashinostroenie, Moscow, 2001.
- N.M. Tsirelman, Direct and Inverse Problems of Nonstationary Heat Transfer (Textbook), Izd. Ufimsk. Gos. Aviats. Tekh. Univ., Ufa, 2001.
- N.M. Tsirelman, Theory and Applied Problems of Heat and Mass Transfer (Textbook for the Students of Higher Educational Establishments), Pt. 1, Izd. Ufimsk. Gos. Aviats. Tekh. Univ., Ufa, 2002.
- F.F. Tsvetkov, B.A. Grigoriev, Heat and Mass Transfer (Textbook for the Students of Higher Educational Establishments Training in Power Engineering Specialities), Izd. MEI, Moscow, 2001.
- Yu.V. Vidin, V.V. Kolosov, Theoretical Foundations of Heat Engineering. Heat and Mass Transfer (Textbook for the Students of Higher Educational Establishments), Izd. KGTU, Krasnoyarsk, 2002.

^{*} Tel.: +375-172-842136; fax: +375-172-830332. *E-mail address:* ogm@hmti.ac.by (O.G. Martynenko).

A.A. Voloshko, Hydrodynamics and Heat Transfer in Gas–Vapour–Liquid Systems of the Apparatuses of Chemical Technology, Izd. Volga, Astrakhan, 2001.

2. Papers-general

- K.Z. Alzhanov, K.K. Musenok, Temperature dependence of true diffusion coefficients of binary mixtures with nearly identical molar masses and effective diameters of molecules, Prom. Teplotekh. 23 (1–2) (2001) 122–125.
- A.A. Ashcheulov, I.V. Gutsul, A.I. Rarenko, Method of a transparent wall for anisotropic thermoelements, Prom. Teplotekh. 24 (4) (2002) 93–96.
- V.S. Berdnikov, V.V. Vinokurov, V.I. Panchenko, S.V. Soloviev, Heat exchange in the classical Czochralski method, Inzh.-Fiz. Zh. 74 (4) (2001) 122–127.
- M.V. Bogdanova, Use of the method of a small parameter in solving inverse problems of thermohydrodynamics, in: A.I. Leontiev (Ed.), Proceedings of the Thirteenth School-Seminar of Young Scientists and Specialists Headed by Academician of the Russian Academy of Sciences, Physical Foundations of Experimental and Mathematical Simulation of Gas Dynamics and Heat and Mass Transfer Processes in Power Plants, 20–25 May 2001, Moscow, vol. 2, Izd. MEI, Moscow, 2001, pp. 227–229.
- Yu.V. Danchenko, S.V. Kulakov, I.Kh. Popov, Investigation of Thermal-Hydraulic Characteristics of Heat Transfer Elements Based on Net-cellular Metals, Vestn. Priazov sk. Gos. Tekh. Univ., No. 5, 2000, pp. 96–102.
- Yu.A. Dementiev, E.A. Karpovtsev, I.A. Narozhnaya, V.A. Novichikhin, E.V. Morozova, Method of Attenuation Coefficients, Vopr. Atomn. Nauki Tekh., Ser. Mat. Model. Fiz. Prots., No. 2, 2001, pp. 28–36.
- A.G. Dmitryuk, Solution of heat transfer problems in mathematical models of artificial fibres with prescribed properties, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Izd. VoGTU, Vologda, 2000, pp. 21–22.
- A.M. Dykhne, I.L. Dranikov, P.S. Kondratenko, A.V. Popov, Anomalous diffusion in regularly inhomogeneous media, Preprint No. 11 of the Institute of the Problems of Safe Development of Nuclear Power Engineering of the Russian Academy of Sciences, 2001.
- S.V. Faleev, D.A. Konovalov, V.V. Kalinin, Calculation of a two-temperature model of cooling a porous heatexchanging element, in: Aerodynamics, Mechanics and Technology of Aircraft Building, Voronezh State Tech. Univ., Voronezh, 2000, pp. 268–273.

- V.V. Faleev, I.G. Drozdov, D.A. Konovalov, Numerical simulation of nonstationary heat transfer in transpiration cooling, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 4–10.
- V.G. Gorobets, Investigation of heat transfer in a composite finned wall, Prom. Teplotekh. 24 (1) (2002) 24–28.
- M.A. Gotovsky, M.A. Kvetnyi, Refinement of skeleton tables for calculating a critical heat load, Teploenergetika, No. 3, 2002, pp. 11–16.
- G.I. Isaev, S.Kh. Alieva, K.S. Eiyubova, Sh.A. Velieva, Boundaries of regimes with improved heat transfer at a supercritical pressure of organic coolants, Inzh.-Fiz. Zh. 74 (5) (2001) 78–80.
- E.M. Kartashov, O.I. Remizova, New integral correlations in the theory of nonstationary heat transfer based on a hyperbolic-type equation, Izv. Ross. Akad. Nauk, Energetika, No. 3, 2002, pp. 146–156.
- V.A. Knyazev, Direct calculation of a turbulent flow, Atomn. Energ. 91 (2) (2001) 104–114.
- V.S. Loginov, Conditions for satisfying the coupling of nonstationary excess temperatures of an active element, Izv. Ross. Akad. Nauk, Energetika, No. 1, 2002, pp. 43–52.
- V.S. Loginov, A.R. Dorokhov, Quality criteria of analytical calculation of nonstationary temperature field of the active element of an electromagnet, Inzh.-Fiz. Zh. 75 (2) (2002) 148–151.
- N.D. Mikheikina, V.P. Ivanov, Program dialogue system for estimating the state of complex thermohydraulic networks, Pribory 2 (2001) 31–32.
- N.Yu. Nenarokov, Mathematical simulation of the processes of heat transfer in investigation of the thermophysical characteristics of substances and materials on the stage of an irregular regime, Author's Abstract of Dissertation, Moscow State Aviation Inst., Moscow, 2000.
- I.M. Panchenko, M.S. Panchenko, N.V. Polishchuk, Influence of electrical fields on the process of heat transfer in a wet microporous body, Elektron. Obrab. Mater., No. 1, 2002, pp. 46–51.
- N.V. Pavlyukevich, I.G. Gurevich, International Forum on Heat and Mass Transfer, Minsk, May 22–26, 2000, Inzh.-Fiz. Zh. 74 (4) (2001) 3–4.
- L.N. Sen, P.A. Kuznetsov, Device for determinating the kinetics of the processes of aeration-deaeration of solutions, in: Proceedings of the Regional Scientific-Technical Conference, Vladivostok, 2–4 June 1998, Pt. 1, Izd. DVGMA, Vladivostok, 1998, pp. 56–59.
- V.E. Shemarulin, About the nonlocal recursion operator and basis of polynominal solutions for the equation of homogeneous liquid filtration in a fissure-porous medium, Vopr. Atomn. Nauki Tekh., Ser. Mat. Model. Fiz. Prots., No. 4, 2000, pp. 53–57.

- T.V. Surzhik, Method of quasipotentials for the problems of calculation of the temperature state of heterogeneous media heated by a stationary electric current, Tekh. Elektrodinam. 6 (2001) 3–5.
- N.V. Telin, E.V. Golitsyna, Temperature field of a continuous infinite cylinder with variable boundary conditions, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 95–96.
- V.A. Tsvyashchenko, Simulation of the heat field of homogeneous and inhomogeneous media: procedure and polymers, Geofiz. Zh. 22 (5) (2000) 98–108.
- Yu.V. Vilemas, Investigations in the field of heat transfer and hydrodynamics in Lithuania, Inzh.-Fiz. Zh. 74 (4) (2001) 23–32.
- V.G. Volkov, V.V. Lebedev, Numerical simulation of heat exchange processes in a gas screen, Inzh.-Fiz. Zh. 74 (5) (2001) 55–58.
- I. Yacheva, Investigation of the temperature field in the boundary region of a high-power turbogenerator under normal conditions, Elektrotekh. Elektron. 36 (5-6) (2001) 34.

3. Heat conduction

- A.K. Alekseev, Concerning the use of conjugated firstand second-order equations in estimating the error in solving the heat conduction equation, Inzh.-Fiz. Zh. 75 (2) (2002) 143–147.
- N.G. Andreiko, A.G. Tomakhov, A.A. Chaplygina, Nonstationary heat conduction of a two-layer plate in the elements of heat power devices, in: Proceedings of the Interregional Conference, Contribution of Young Russian Scientists to Heat Power Engineering, Novocherkassk, 2001, Izd. Nabla, Novocherkassk, 2001, pp. 155–158.
- Yu.A. Bondarenko, A.R. Shagalieva, Yu.V. Yanilkin, Method of calculation of heat conduction with allowance for heat exchange between substances inside mixed cells, Vopr. Atomn. Nauki Tekh., Ser. Mat. Model. Fiz. Prots., No. 4, 2000, pp. 26–34.
- A.D. Chernyshov, N.A. Chernyshov, V.V. Goryainov, Statement of the problem of recuperative heat exchange in apparatuses with allowance for transverse heat conduction, Inf. Tekhnol. Sist., No. 4, 2001, pp. 125–129.
- I.A. Dzhemesyuk, E.M. Kartashov, A.G. Rubin, Solution of boundary-value problems of heat conduction for semispace with a uniformly moving boundary by the Green method, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes

and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 12–15.

- O.V. Gendelman, K.E. Kuporosov, L.I. Manevich, Concerning the problem of heat conduction in a circuit and in a crystal of polyethylene, in: Proceedings of the Scientific Conference of the N.N. Semenov Chemical Physics Inst. of the Russian Academy of Sciences, Moscow, March 1999, Izd. Inst. Khim. Fiz. Ross. Akad. Nauk, Moscow, 1999, pp. 37–38.
- A.V. Kotovich, G.A. Nesenenko, Multidimensional irregular problems of nonstationary heat conduction with nonlinear boundary conditions, Izv. Ross. Akad. Nauk, Energetika, No. 6, 2001, pp. 115–130.
- V.A. Kudinov, V.V. Dikop, R.Zh. Gabdushev, D.V. Levin, S.A. Stefanyuk, A method to determine eigenvalues in nonstationary heat conduction problems, Izv. Ross. Akad. Nauk, Energetika, No. 4, 2002, pp. 112–117.
- P.A. Mandrik, Solution of a heat conduction problem for a finite cylinder and semispace under mixed boundary conditions in the plane of their contact, Inzh.-Fiz. Zh. 74 (5) (2001) 153–159.
- Yu.M. Matsevityi, O.S. Tsakanyan, N.M. Kurskaya, N.A. Koshevaya, Identification of local thermal contact resistances by solving inverse problems of heat conduction, Inzh.-Fiz. Zh. 75 (2) (2001) 139– 142.
- G.A. Neseneko, Generalization of the "method of reflections" for singularly perturbed boundary-value heat conduction problems in regions with mobile boundaries, Collected Papers of the Moscow State Open Pedagogical Univ., No. 2, 1999, pp. 91–100.
- A.G. Rubin, N.A. Mikhailova, O.I. Remizova, Finding the Green function for a boundary-value problem of nonstationary heat conduction in a finite region with a moving boundary, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 10–12.
- A.K. Sokolov, G.V. Popov, Solution of heat conduction problems by the numerical-analytical method of addition of temperature fields, Izv. Ross. Akad. Nauk, Energetika, No. 4, 2002, pp. 118–130.
- F.F. Spiridonov, A.M. Firsov, About the solution of problems of stationary heat conduction in quasithree-dimensional regions of arbitrary shape, Issled. Ballist. Smezhn. Vopr. Mekh., No. 2, 1998, pp. 59–63.

4. Convection

M.M. Alimov, Asymptotic solution of the problem on convective heat exchange between a plate and a liquid flow, Collected Papers of the N.I. Lobachevsky Mathematical Centre, No. 3, 1999, pp. 230–235.

- O.A. Bessonov, V.A. Brailovskaya, A spatial model of heat convection in the gap between horizontal coaxial cylinders with anisotropic porous packing, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 1, 2001, pp. 45–55.
- G.A. Dreitser, A.S. Myakochin, Influence of the geometric shape of vortex generators on the efficiency of intensification of convective heat transfer in tubes, Teploenergetika, No. 6, 2002, pp. 57–59.
- S.V. Faleev, S.V. Korobchenko, Concerning convective heat transfer in a radially rotating sublimation channel with a permeable wall, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, p. 220.
- V.G. Gorobets, Heat transfer for vertical surfaces with discrete fins in the case of free convection, Inzh.-Fiz. Zh. 75 (5) (2002) 100–107.
- V.G. Gorobets, Optimal geometry of vertical surfaces with oblique discrete finning under the conditions of natural convection, Prom. Teplotekh. 23 (6) (2001) 33–39.
- R.F. Kelbaliev, Influence of free convection on the temperature regime of a tube wall, Izv. Vyssh. Tekh. Uchebn. Zaved. Azerbaidzhana, No. 1, 2001, pp. 61– 64.
- A.E. Kokh, P.V. Mokrushnikov, V.N. Popov, Convection in a horizontal layer during rotation of a heat field, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 3, 2001, pp. 36–51.
- A.A. Konoplev, Al.Al. Berlin, G.G. Aleksanyan, B.L. Rytov, Intensification of convective heat transfer, Teor. Osnovy Khim. Tekhnol. 36 (2) (2002) 220–222.
- V.N. Korovkin, A.P. Andrievsky, Turbulent free-convective jets: numerical solution of model equations of transfer, Inzh.-Fiz. Zh. 73 (3) (2000) 615–620.
- E.N. Pismennyi, V.A. Rogachev, A.M. Terekh, V.D. Burlei, Heat transfer of plane surfaces with net-wire finning in forced convection, Prom. Teplotekh. 24 (4) (2002) 71–78.
- V.I. Polezhaev, E.B. Soboleva, Nonstationary effects of heat gravitational convection of a near-critical liquid with side heating and cooling, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 1, 2002, pp. 81–93.
- A.V. Pozdnyakova, A.V. Samorodov, V.B. Kuntysh, Investigation and comparison of free-convective heat transfer of staggered and in-line bundles of finned tubes, in: Proceedings of the First All-Russian School-Seminar of Young Scientists and Specialists, Energy Saving—Theory and Practice, Moscow, 15– 18 April 2002, Moscow, Izd. MEI, 2002, pp. 87–88.
- A.V. Samorodov, R.F. Telyaev, V.B. Kuntysh, A technique of heat calculation of an apparatus of air cooling in the regime of free convection of air, Izv. Ross. Akad. Nauk, Energetika, No. 1–2, 2002, pp. 20–30.
- V.D. Seleznev, A.V. Melkikh, V.V. Vasiliev, Free gravitational convection of a binary gas mixture in

a system of two flasks connected by two vertical capillaries, Teplofiz. Aeromekh. 8 (3) (2001) 459–466.

A.P. Shabanov, V.P. Trusov, Nonstationary problem of convective heat transfer in laminar flow of liquid in a tube with allowance for axial spreading of heat, Izv. Ross. Akad. Nauk, Energetika, No. 3, 2002, pp. 131– 145.

5. Radiative heat transfer

- A.I. Bril, V.P. Kabashnikov, V.M. Popov, Use of the approximation of a generalized telegraph process for calculation of the heat radiation of turbulent diffusion flames, Inzh.-Fiz. Zh. 74 (5) (2001) 44-49.
- V.V. Kalinchak, S.G. Orlovskaya, T.V. Gryzunova, N.N. Kopyt, High-temperature oxidation of metals with allowance for radiation heat transfer, Fiz. Goreniya Vzryva 38 (2) (2002) 42–48.
- V.A. Kalitvin, About application of equations with particular integrals to studying mathematical models of some problems of heat-radiating bodies, Vestn. LGTU–LETI, No. 2, 2001, pp. 71–73.
- N.G. Kokody, Correction of the characteristics of heat radiation receiver by means of an analog filter, Teplofiz. Vys. Temp. 39 (5) (2001) 784–787.
- E.A. Romanova, Radiant heating—nontraditional source of heat supply, Energonadzor Energosber ezh. Segodnya, No. 3, 2001, pp. 39–43.
- R.I. Serikov, V.M. Khailov, Reconstruction of the spectrum of particle sizes by a regularization method using the data on measured scattered radiation intensity, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 182–185.
- A.B. Shigapov, Radiation heat transfer in the furnaces of steam generators with allowance for nonequilibrium distribution of the composition and temperature of a gas, Vestn. Kazan s. Fil. MEI, No. 1, 1996, pp. 100–103.
- M.A. Taimarov, A.V. Stepanchikov, A.R. Gulyatdinov, Technique and facility for measuring the spectral emissivity of materials, Izv. Vyssh. Uchebn. Zaved., Probl. Energ. Nos. 1–2, 2002, pp. 31–34.
- S.A. Tereshchenko, Attenuation of laser radiation in a proportional highly scattering medium, in: Proceedings of the Third International Scientific-Technical Conference, Electronics and Information Science— XXI Century, Zelenograd, 22–24 June 2000, Izd. MIET, Moscow, 2000, pp. 440–441.
- G.N. Tolstykh, Analysis of the methods of temperature calibration of heat emission radiometers, Metrologiya, No. 7, 2001, pp. 3–26.
- A.S. Vershinskaya, V.Yu. Gusev, V.V. Zaviyalov, Precise solutions of a system of equations of isotro-

pic transfer of radiation and energy in a cylindricalsymmetric geometry, Vopr. Atomn. Nauki Tekh., Ser. Mat. Model. Fiz. Prots., No. 2, 2001, pp. 63–71.

A.V. Zhurko, E.V. Shatalov, S.P. Nikitaev, T.A. Petrova, Toward the problem of simulation of highly intense heat fluxes of combined radiative–convective composition, Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol. 44 (6) (2001) 131–134.

6. Heat and mass transfer between a solid body and a fluid

- R.S. Agachev, A.V. Ilinkov, A.V. Shchukin, Heat transfer in flow past a spherical biconcave recess, Vestn. Kazansk. Gos. Tekh. Univ., No. 4, 2001, pp. 12–15.
- D.D. Agadzhanyan, S.V. Yushko, A setup for investigating nonstationary turbulent flow of an incompressible liquid with heat exchange in tubes, in: Heat and Mass Transfer Processes and Apparatuses of Chemical Technology, Kazan State Tech. Univ., Kazan, 1998, pp. 155–159.
- G.V. Agafonov, O.A. Semenikhin, V.M. Kharin, Calculation of external moisture and heat transfer in the system "capillary-porous body–humid air," in: Proceedings of the Thirty Seventh Scientific Conference Reviewing the Results of the Year 1998, Voronezh, 1999, Pt. 1, Izd. VGTA, Voronezh, 1999, pp. 179–180.
- M.M. Alimov, Asymptotic solution of the problem of heat exchange of a plate with a uniform liquid flow, Izv. Ross. Akad. Estestv. Nauk, No. 2, 1998, pp. 104–116.
- M.M. Alimov, Asymptotic solution of the problem of heat exchange of a plate with an infinite and uniform liquid flow, Prikl. Mat. Mekh. 65 (1) (2001) 86–93.
- A.A. Avramenko, I.A. Izgoreva, L.T. Ivanisov, A.L. Gogenko, Analysis of the temperature profiles of the outer region of a turbulent boundary layer in a gradient flow, Prom. Teplotekh. 24 (1) (2002) 7– 10.
- A.N. Baranov, A.D. Kudryavtseva, N.V. Chernega, Spectral, energy and space characteristics of forced scatterings of light in water, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27– 29 June 2001, Izd. MEI, Moscow, 2001, pp. 192–195.
- Yu.V. Batkov, A.D. Kovtun, S.A. Novikov, V.I. Skokov, L.A. Tolstikova, About the mechanism of formation of a high-velocity gas jet, Fiz. Goreniya Vzryva 37 (5) (2001) 98–103.
- S.P. Bautin, Weak discontinuities in flows of a heatconducting inviscid gas, Dokl. Ross. Akad. Nauk 377 (4) (2001) 481–484.
- O.K. Berezhnaya, A.L. Efimov, Calculation of developed turbulent flow and heat transfer based on the

model of a discontinuous sublayer, in: Proceedings of the First All-Russian School-Seminar of Young Scientists and Specialists, Energy Saving—Theory and Practice, Moscow, 15–18 April 2002, Izd. MEI, Moscow, 2002, pp. 232–234.

- N.G. Bilchenko, Mathematical simulation of the heat shield of a permeable cylindrical surface in a flow of nonequilibrium dissociating gas, Collected Papers of the N.I. Lobachevsky Mathematical Centre 3 (1999) 235–236.
- V.T. Buglaev, A.A. Anisin, Intensification of heat transfer in a transverse flow past an in-line bundle of tubes with different layouts of turbulizing rods in its cells, in: Intensification of Operation of Heat Power Equipment Bryansk State Tech. Univ., Bryansk, 2000, pp. 9–20.
- V.T. Buglaev, A.A. Anisin, Intensification of heat transfer in a transverse flow past an in-line bundle of tubes with flow-turbulizing rods, Teploenergetika, No. 3, 2002, pp. 23–27.
- V.T. Buglaev, N.A. Kurbatskaya, L.I. Belenkaya, Investigation of heat transfer in annular channels of air-heating facilities, in: Intensification of Operation of Heat Power Equipment, Bryansk State Tech. Univ., 2000, Bryansk, pp. 93–106.
- G.A. Dreitser, Modern problems of intensification of heat exchange in channels, Inzh.-Fiz. Zh. 74 (4) (2001) 33–40.
- E.Ya. Epik, T.T. Suprun, V.D. Melnik, Heat transfer behind moving wakes in the presence of laminar-toturbulent transition, Prom. Teplotekh. 24 (1) (2002) 29–35.
- A.I. Filippov, E.M. Devyatkin, Nonstationary temperature field in filtration of gas-liquid mixtures, Teplofiz. Vys. Temp. 39 (6) (2001) 962–969.
- K.Kh. Gilfanov, Nonstationary heat transfer and friction in axisymmetric channels under different boundary conditions, in: Heat and Mass Transfer Processes and Apparatuses of Chemical Technology, Kazan State Tech. Univ., Kazan, 1998, 131–136.
- V.V. Glazkov, V.G. Zhilin, Yu.A. Zeigarnik, Yu.P. Ivochkin, V.R. Tsoi, Explosive regime of the development of instability leading to rupture of a vapour film on a solid heated semispherical surface, Dokl. Ross. Akad. Nauk 376 (3) (2001) 328–330.
- D.A. Gubaidullin, S.A. Laptev, A.A. Nikiforov, Propagation of spherical and cylindrical perturbations of small amplitude in gas suspensions, Izv. Vyssh. Uchebn. Zaved., Probl. Energ. Nos. 5–6, 2000, pp. 17–24.
- O.S. Gudkova, Limiting schemes of mass transfer in problem of propagation of a mist jet in air, in: Differential Equations and Their Applications in Physics Sterlitamak State Pedagodgical Inst., 1999, Sterlitamak, pp. 142–146.

- O.A. Kabov, E.A. Chinnov, Heat transfer from a local heat source to a subcooled liquid film, Teplofiz. Vys. Temp. 39 (5) (2001) 758–768.
- V.M. Kharin, G.V. Agafonov, A.A. Goryainov, Kinetics of hygrothermal treatment of capillary-porous materials, Teor. Osnovy Khim. Tekhnol. 35 (1) (2001) 12–20.
- A.V. Klimenko, A.M. Sudarchikov, Experimental investigation of hydrodynamic instability of a forced nitrogen flow boiling in a channel, Vestn. MEI, No. 5, 2001, pp. 47–53.
- V.N. Klimenko, E.Ya. Epik, T.T. Suprun, Heat transfer behind a stationary and vibrating cylinders in the presence of a laminar-to-turbulent transition, Prom. Teplotekh. 24 (4) (2002) 38–44.
- A.P. Kryukov, Motion of a fluid in a vapour-containing channel in the presence of a longitudinal heat flux, Teplofiz. Vys. Temp. 38 (5) (2000) 945–949.
- O.N. Kudryavtsev, A.V. Safronov, Influence of a scale factor on the level of precipitation of the K-phase particles and degree of heat transfer intensification upon inflow of the jet of a propulsion system on an obstacle under start conditions, Kosmonavt. Raketostr., No. 16, 1999, pp. 97–101.
- N.A. Kurbatskaya, Intensification of heat transfer in the annular channels of air-heating facilities, Author's Abstract of Dissertation, St. Petersburg State Tech. Univ., St. Petersburg, 2001.
- O.G. Lysenko, Method of laser diagnostics of flows in microchannels, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 462– 463.
- V.E. Lyubimov, Investigation of outflow of a vapourwater mixture through a porous medium, Author's Abstract of Dissertation, Voronezh State Tech. Univ., Voronezh, 1999.
- N.V. Malai, E.R. Shukin, Yu.I. Yalamov, Motion of a heated solid spheroidal particle in a viscous fluid, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 6, 2001, pp. 180–184.
- S.M. Margulis, Investigation of heat transfer and hydrodynamics in tubes with circular ledges of black oil preheaters (the Kazan Thermal Electric Power Plant 2), in: Thermal Power Engineering, Kazan Branch of Moscow Power Engineering Inst., Kazan, 1997, pp. 60–64.
- D.Yu. Martynov, V.G. Sister, Effect of drop spraying and gas microjets on the process of heat transfer in a liquid film, Preprint, Izd. RKhTU, Moscow, 2001.
- N.I. Nikitenko, Yu.N. Kolchik, N.N. Sorokovaya, Method of conic elements for modelling of flow and heat exchange of an incompressible liquid in arbitrary-shaped regions, Prom. Teplotekh. 24 (1) (2002) 16–23.

- A.N. Nikolaev, N.A. Voinov, N.A. Nikolaev, Influence of surfactants on mass transfer in a liquid film, in: Heat and Mass Transfer Processes and Apparatuses of Chemical Technology, Kazan State Tech. Univ., Kazan, 1999 (2000), pp. 72–75.
- V.V. Olimpiev, N.D. Yakimov, Calculation of heat transfer and friction in grooves located transversely to a turbulent flow, Teploenergetika, No. 3, 2002, pp. 28–32.
- A.F. Polyakov, D.L. Reviznikov, Influence of heatgas dynamic coupling of penetrating cooling on its effectiveness, Tepoenergetika, No. 5, 2001, pp. 40–43.
- A.V. Pozdnyakova, A.V. Samorodov, Influence of a slope angle on free-convective heat transfer of tworow in-line bundles and finned tubes, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 58–61.
- V.L. Prisekin, G.I. Rastorguev, A.I. Belousov, Analysis of temperature fields and stresses in the elements of structures subjected to the influence of periodical heat flows, Nauch. Vestn. Novosibirsk. Gos. Tekh. Univ., No. 2, 2001, pp. 133–142.
- A.B. Rozhkov, A.P. Solodov, Kinematic shock waves of steam content, in: Proceedings of the First All-Russian School-Seminar of Young Scientists and Specialists, Energy Saving—Theory and Practice, Moscow, 15–18 April 2002, Izd. MEI, Moscow, 2002, pp. 200–202.
- Yu.V. Saraev, Influence of a temperature factor on the characteristic features of flow and heat transfer of liquid near a rotating surface, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 101–103.
- O.E. Shapoval, E.N. Pismennyi, A.M. Terekh, Aerodynamic drag of in-line bundles of tubes with cutted fins in a cross flow, Prom. Teplotekh. 23 (4–5) (2001) 63– 68.
- I.V. Shevchuk, Influence of temperature distribution over the wall on heat transfer of rotating disks, Prom. Teplotekh. 23 (6) (2001) 50–55.
- V.I. Shklyar, V.V. Dubrovskaya, N.A. Diky, Influence of the cut angle of the packing element end-face on the hydrodynamics and heat transfer in a contact apparatus, Prom. Teplotekh. 24 (1) (2002) 36–39.
- Ya.I. Smulsky, V.M. Trofimov, Experience in the use of a method of measuring heat transfer in a T-325 M, Ustoich. Tech. Gomog. Geterog. Zhidk., No. 8, 2001, pp. 158–160.
- N.V. Telin, Temperature field of rollers and cylinders with outer cooling, in: Proceedings of the Second International Scientific-Technical Conference, In-

crease of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 96–98.

- N.V. Telin, Temperature field of rollers with inner cooling, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 49–51.
- V.I. Terekhov, M.A. Pakhomov, Modelling of heat protection of adiabatic wall by injection of liquid phase in a wall jet, in: Proceedings of the Sixth All-Russian Scientific-Technical Conference, Power Engineering: Ecology, Reliability, Safety, Tomsk, 6–8 December 2000, vol. 1, Izd. TPU, Tomsk, 2000, pp. 113–116.
- E.P. Valueva, G.G. Yankov, Heat transfer in motion of a single-phase medium. Investigations carried out at the Moscow Power Engineering Institute, Vestn. MEI, No. 4, 2000, pp. 18–39.
- E.B. Vasilevsky, L.A. Dombrovsky, D.S. Mikhatulin, Yu.V. Polezhaev, Heat transfer in the vicinity of the stagnation point in a supersonic heterogeneous flow past bodies with slipping of phases, Teplofiz. Vys. Temp. 39 (6) (2001) 925–938.
- Z. Vertsinsky, T.T. Suprun, E.Ya. Epik, Characteristics of the laminar-to-turbulent transition induced by the wake of a single moving cylinder, Prom. Teplotekh. 23 (3) (2001) 22–30.
- Yu.A. Vinogradov, I.K. Ermolaev, A.I. Leontiev, Gas flow in a supersonic nozzle with a coaxially located partially permeable cylindrical insert, Teplofiz. Vys. Temp. 38 (6) (2000) 1006–1008.
- A.A. Yurkevich, V.N. Didenko, E.V. Korepanov, A method to calculate combined heat transfer in air cavities and pores, Vestn. Izhevsk. Gos. Tekh. Univ., No. 4, 2000, pp. 9–12.
- L.I. Zaichik, A.I. Leontiev, Application of the limiting laws of turbulent friction and heat transfer in construction of wall functions on permeable surfaces, Teplofiz. Vys. Temp. 38 (4) (2000) 609–613.
- O.N. Zaitsev, Investigation of off-axial opposed swirled flows, Collected Papers of the Odessa Polytechnical Univ., No. 1, 2001, pp. 77–79.
- E.V. Zelepukina, V.A. Zubov, A.A. Merkin, Measurement of the amplitude-phase characteristics of optical inhomogeneities changing with time, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 206–209.
- T.A. Zhakataev, Heat transfer in the heat-transfer agent-tube-outer medium system with variable boundary conditions and physical parameters, Izv. Vyssh. Uchebn. Zaved., Probl. Energ. Nos. 7–8, 2000, pp. 9–16.

- B.P. Zhilkin, V.V. Startsev, A.A. Gulakov, Structuralhydrodynamic factors of heat transfer in systems of gas impact jets, Izv. Vyssh. Uchebn. Zaved., Probl. Energ. Nos. 7–8, 2000, pp. 3–10.
- V.I. Zinchenko, A.Ya. Kuzin, Influence of heat flow on the heat transfer characteristics in supersonic spatial flow past a sphere-blunt cone, Prikl. Mekh. Tekh. Fiz. 43 (1) (2002) 144–152.
- S.L. Zolotarev, V.A. Karpov, I.N. Murzinov, N.B. Plevako, Investigation of the influence of the conditions of a high-enthalpy gas flow past samples on the change in their shape, Kosmonavt. Raketostr., No. 23, 2001, pp. 119–127.

7. Heat and mass transfer in disperse and two-phase systems

- V.N. Afanasiev, Monodisperse flows of drops in heatexchanging apparatuses, Author's Abstract of Dissertation, Moscow State Tech. Univ., Moscow, 1999.
- A.R. Aliev, M.R. Aliev, Convective heat exchange between flows of finely dispersed media in adjacent channels with permeable walls, Teploenergetika, No. 6, 2002, pp. 64–69.
- Z.I. Arsamakov, L.M. Makalsky, Recovery of the size distribution function of the particles of aero (hydro)sols in the small angle method, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 156–159.
- V.N. Baltyan, Heat transfer in a bubbled slay bath and reliability of the operation of its protecting elements, Teploenergetika, No. 4, 2002, pp. 66–69.
- R.A. Barakov, Investigation of the process of heat transfer in a moving fluidized bed, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 208–210.
- E.A. Boltenko, Yu.A. Smirnov, D.E. Boltenko, Methods and means of determining the characteristics of a two-phase flow in the field of a mist annular regime, Teploenergetika, No. 3, 2002, pp. 17–22.
- V.P. Budak, B.B. Veklenko, Influence of the concentration and sizes of the disperse medium particles on the scattered radiation polarization, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 160–163.
- I.G. Dik, L.L. Minkov, T. Neesi, A hydrodynamic model of the speeding up of sedimentation of fine particles in a bidisperse suspension, Teplofiz. Aeromekh. 8 (2) 283–294.
- D.A. Gubaidullin, S.A. Laptev, A.A. Nikiforov, Small perturbations of different geometries in polydisperse

mist mixtures with phase changes, Izv. Vyssh. Uchebn. Zaved., Probl. Energ. Nos. 9–10, 2001, pp. 26–33.

- A.V. Kolbasnikov, Development of methods for calculating the hydrodynamics of a two-phase medium and heat transfer of the steam-generator heating surfaces in a transverse flow on the basis of experimental investigations, Author's Abstract of Dissertation, All-Russian Heat Power Engineering Inst., Moscow, 2000.
- V.T. Orlov, Calculation of the processes of mass transfer in a porous filter, Trudy SPbGTU, No. 475, 1998, pp. 144–149.
- Yu.Ya. Pechenegov, O.Yu. Kosova, Mathematical simulation of heat exchange of a gas suspension flow in a tube, in: A.I. Leontiev (Ed.), Proceedings of the Thirteenth School-Seminar of Young Scientists and Specialists Headed by Academician of the Russian Academy of Science, Physical Foundations of Experimental and Mathematical Simulation of Gas Dynamics and Heat and Mass Transfer Processes in Power Plants, Moscow, 20–25 May, 2001, vol. 2, Moscow, Izd. MEI, 2001, pp. 39–42.
- P.T. Petrik, A.R. Dorokhov, A.A. Bogomolov, Influence of the tube radius on supersaturation in cooling of vapour–gas mixtures, Vestn. Kuzbas sk. Gos. Tekh. Univ., No. 5, 2001, pp. 58–60.
- P.T. Petrik, A.R. Dorokhov, G.S. Permyakova, Simulation of the processes of heat and mass transfer during interaction of a moist air with water, Vestn. Kuzbas sk. Gos. Tekh. Univ., No. 6, 2001, pp. 57–59.
- I.A. Popov, S.G. Stavrov, Development of the optical methods of technical vision for investigating twophase flows, Vestn. IGEU, No. 2, 2001, pp. 42–43.
- S.P. Rudobashta, M.Yu. Zhemerya, E.L. Babicheva, E.M. Kartashov, Longitudinal mixing of a solid phase and heat and mass transfer in a continuously operating fluidized-bed apparatuses, Prom. Teplotekh. 24 (1) (2002) 39–44.
- B.S. Seplyarsky, T.P. Ivleva, Analytical method for calculating the critical conditions of regional ignition of a gas suspension of solid particles, Dokl. Ross. Akad. Nauk 379 (5) (2001) 638–642.
- D.A. Shishkin, A.V. Loktev, Aerodynamic characteristic features of swirled dispersed flows, in: Increase of the Efficiency of Ship-Board Power Plants, Nizhny Novgorod State Tech. Univ., 1998, Nizhny Novgorod, pp. 143–145.
- A.V. Voronetsky, Experimental and theoretical investigations of two-phase mist flows in nozzles and jets with a high mass concentration of a liquid in a gas, Author's Abstract of Dissertation, Moscow State Aviation Inst., Moscow, 2000.
- V.E. Zakhvataev, The Benard–Marangoni instability of a two-layer system with account for changes in the internal energy of an interphase surface, Izv. Ross.

Akad. Nauk, Mekh. Zhidk. Gaza, No. 6, 2001, pp. 147–152.

- Yu.O. Zelenkova, G.B. Sapozhnikov, N.P. Shiryaeva, B.G. Sapozhnikov, Investigation of effective heat conduction and diffusion in apparatuses with a vibrated fluidized bed, in: Theoretical Foundations of Thermal Engineering, Magnitogorsk State Univ., Magnitogorsk, 2000, pp. 89–95.
- A.V. Zhuchkov, V.V. Shitov, R.A. Barakov, Investigation of the processes of formation and motion of a thin fluidized bed, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 166–169.

8. Heat and mass transfer in phase and chemical conversions

- A.M. Afanasiev, L.E. Shashlova, Boundary conditions of drying heat and mass transfer in a heated air flow, Mat. Kompiyut. Obraz., No. 7, 2000, p. 26.
- Yu.O. Afanasiev, P.T. Petrik, N.V. Tiunova, A.S. Kalmykov, Investigation of vapour condensation from a vapour-air mixture, Vestn. Kuzbas sk. Gos. Tekh. Univ., No. 3, 2002, pp. 49–52.
- Yu.M. Afonin, Aerodynamic drag of pin surfaces in drop condensation of steam from air, in: Increase of the Efficiency of the Systems of Heat and Gas Supply and Ventilation, Saratov State Tech. Univ., Saratov, 1999, pp. 52–55.
- E.V. Anokhina, Characteristic features of the boiling crisis of binary mixtures of liquids, Author's Abstract of Dissertation, Voronezh State Tech. Univ., Voronezh, 1999.
- G.A. Arkhipov, D.I. Volkov, V.A. Chistyakov, A.Yu. Shcherbakov, Determination of local coefficients of heat transfer in condensation of moving vapour on a horizontal bundle of tubes, Collected Papers of Central Boiler-Turbine Ins., No. 282, 2002, pp. 220–227.
- O.V. Belyaeva, N.F. Levchuk, A.Zh. Grebenkov, B.D. Timofeev, Boiling and condensation pressures of mixture of R32 and R134a, Vestn. Mezhdunar. Akad. Kholoda, No. 4, 2000, pp. 27–29.
- G.S. Berezovsky, Justification of the method and means of preliminary predrying of seeds with an elevated moisture content, Author's Abstract of Dissertation, Kostroma State Agricultural Academy, Kostroma, 2000.
- V.I. Borzenko, S.P. Malyshenko, Mechanisms of phase exchange in boiling on surfaces with porous coatings, Teplofiz. Vys. Temp. 39 (5) (2001) 769–776.
- D.D. Britsyn, Experiments on boiling of liquids on cylindrical heaters; critical heat load and vapour velocity, in: Hydropneumatic Systems of Technolog-

ical and Mobile Machines, Don State Tech. Univ., Rostov-on-Don, 1998, pp. 74–80.

- E.N. But, Condensation under the condition of weightlessness of the heat-exchange contour, Prom. Teplotekh. 23 (6) (2001) 23–28.
- P.V. Dadonov, Investigation of heat transfer in a condenser with tubes in a granular bed, Author's Abstract of Dissertation, Tomsk Polytech. Univ., Tomsk, 2001.
- E.P. Denisov, Comparative estimation of the means of heat transfer intensification in vapour condensation in tube bundles, Teploenergetika, No. 5, 2002, pp. 67–69.
- G.V. Ermakov, E.V. Lipnyagov, S.A. Perminov, Investigation of the character of the boiling-up of a liquid near the limit of its attainable superheat, Teplofiz. Vys. Temp. 39 (6) (2001) 954–961.
- S.F. Finko, M.A. Zhuchkova, Toward calculation of the parameters of a layer of frost on a plane surface, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, p. 226.
- O.R. Ganiev, N.S. Khabeev, Dynamics and heat and mass transfer of a bubble with an evaporating drop inside, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 5, 2000, pp. 88–95.
- V.D. Goldin, I.A. Mikhailova, Mathematical simulation of the process of heat transfer in swelling materials with allowance for radiation, Issled. Ballist. Smezhn. Vopr. Mekh., No. 3, 1999, pp. 61–63.
- V.G. Golubev, A.M. Brener, Special features of film condensation from a dust-laden vapour–gas mixture, Teor. Osnovy Khim. Tekhnol. 36 (2) (2002) 141– 146.
- A.M. Grishin, A.N. Golovanov, L.Yu. Kataeva, Problem of drying of a layer of combustible forest materials, Inzh.-Fiz. Zh. 74 (4) (2001) 58–64.
- Ya.M. Gumnitsky, I.N. Maistruk, Solution of solid particles in boiling under vacuum: analogy of the process with boiling heat transfer, Teor. Osnovy Khim. Tekhnol. 36 (2) (2002) 156–160.
- A.A. Ivashkevich, Generalization of the experimental data on water boiling crisis in tubes, Atomn. Energ. 88 (1) 67–69.
- V.M. Kapinos, E.V. Bogdanova, Heat transfer coefficient of a condenser, Energ. Elektrif., No. 12, 2001, pp. 14–17.
- V.M. Kharin, Yu.I. Shishatsky, S.A. Nikel, Optimal control of the processes of vacuum and vapour drying, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 144–149.
- R.Kh. Khasanov, A method for determining the deformation of the boiling curve at the front of rewetting, in: Scientific Investigations in the Field of Nuclear Power Engineering at the Technical Higher Education Institutions of Russia, Moscow Power Engineering Inst., Moscow, 1999, pp. 82–84.

- A.V. Kotovich, G.A. Nesenenko, Mathematical theory of a localized thermal explosion. Parametric analysis of localized regimes of thermal explosion by "geometric-optical" asymtotic method, Collected Papers of the Moscow State Open Pedagogical Univ., No. 2, 1999, pp. 21–90.
- A.V. Krainov, Numerical analysis of heat and mass transfer in motion of a viscous incompressible nonisothermal liquid in a rectangular cavity with consideration of the process of crystallization, Issled. Ballist. Smezhn. Vopr. Mekh., No. 3, 1999, pp. 71– 72.
- N.A. Lavrov, Simulation of the processes of freezing with conjugated heat and mass transfer, Vestn. Mezhdunar. Akad. Kholoda, No. 4, 2000, pp. 10–12.
- A.B. Lesnoi, V.F. Demchenko, M.L. Zhadkevich, Simulation of the hydrodynamics and heat transfer in crystallization of ingots with electron-beam remelting, Probl. Spets. Elektrometall., No. 2, 2001, pp. 17– 21.
- E.V. Lykov, E.V. Anokhina, Investigation of the characteristic features of liquid boiling by analyzing thermoacoustic effects, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 11–14.
- V.A. Maiorov, Analytical determination of the equilibrium temperature of an adiabatically evaporating liquid, Inzh.-Fiz. Zh. 74 (5) (2001) 59–62.
- A.V. Markov, Yu.P. Yulenets, Mechanism of mass transfer in high-intensity processes of drying in the presence of inner heat sources, Teor. Osnovy Khim. Tekhnol. 36 (3) (2002) 269–274.
- A.A. Moskalenko, E.N. Zotov, O.V. Razumtseva, L.N. Protsenko, Influence of vibration on the intensity of heat transfer in boiling, Prom. Teplotekh. 24 (2–3) (2002) 17–21.
- N.V. Mozgovoi, L.S. Milovskaya, E.A. Kubryakov, Difference method of calculation of temperature fields in an evaporation-sublimation heat exchanger, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 159–165.
- N.I. Nikitenko, Investigation of the dynamics of evaporation of condensed bodies on the basis of the law of spectral radiation intensity of particles, Inzh.-Fiz. Zh. 75 (3) (2002) 128–134.
- M.N. Novikov, Optimization of the parameters of a porous coating under conditions of pool boiling of propane, Inzh.-Fiz. Zh. 75 (1) (2002) 100–104.
- S.G. Obukhov, Influence of long stay of the heat-release surface in kerosene on the critical heat flux during boiling in it under steady-state and step heat release, Inzh.-Fiz. Zh. 75 (1) (2002) 105–108.
- P.T. Petrik, A.R. Dorokhov, G.S. Permyakova, Toward determination of the coefficient of mass transfer in condensation from a vapour–gas mixture, Vestn. Kuzbas sk. Gos. Tekh. Univ., No. 6, 2001, pp. 54–56.

- P.T. Petrik, E.Yu. Starikova, I.V. Dvorovenko, Effect of the tube inclination angle on the critical densities of heat fluxes in boiling of the R227 coolant in a granular bed, Vestn. Kuzbassk. Gos. Tekh. Univ., No. 2, 2001, pp. 5–6.
- P.T. Petrik, E.Yu. Starikova, I.V. Dvorovenko, A.R. Bogomolov, Boiling of refrigerants on differently orientated tubes placed in granular beds, Inzh.-Fiz. Zh. 75 (1) (2002) 109–111.
- V.M. Polyaev, B.V. Kichatov, Effect of the orientation of a surface having a porous coating on regularities of boiling heat transfer of solutions, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 44–51.
- K.V. Prisnyakov, Yu.E. Nikolaenko, V.F. Prisnyakov, Boiling and vibration (review), Prom. Teplotekh. 23 (6) (2001) 40–50.
- O.P. Reztsov, A.D. Chernyshov, Single-phase fusion of a semi-infinite body of a special shape with allowance for the finite velocity of heat transfer, in: The Problems of Mechanics of Continuous Media and Elements of Structures, Automation and Control Process Inst. of the Far-East Branch of the Russian Academy of Sciences, Vladivostok, 1998, pp. 57–60.
- V.G. Rifert, V.I. Sidorenko, V.I. Usenko, Investigation of the character of heat transfer in evaporation of liquid film on horizontal profiled tubes, Prom. Teplotekh. 24 (4) (2002) 66–70.
- V.N. Semenov, A.N. Troitsky, P.V. Agapov, Investigation of the influence of forced condensation of slightly superheated vapour on the degree of concentration of chlorides in liquid films, Vestn. MEI, No. 5, 2001, pp. 54–59.
- V.A. Sharshunov, A.V. Chervyakov, S.V. Kurzenkov, Use of a stopping device in a straight-through drying apparatus, in: Proceedings of the International Scientific-Technical Conference, Agrarian Power Engineering in the XXIst Century, Minsk, 25–26 September 2001, Tekhnoprint, Minsk, 2001, pp. 136–138.
- V.P. Shatsky, A.N. Shalitkina, L.I. Fedulova, Concerning the simulation of physical processes in waterevaporative operation coolers, Mat. Kompiyut. Obraz., No. 7, 2000, p. 359.
- V.V. Shitov, V.Yu. Dubanin, E.V. Avramenko, Characteristic features of the process of liquid boiling in a porous structure, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, p. 221.
- R.P. Shpakovsky, Approximation of a concentration profile in a gas phase in evaporation, Teor. Osnovy Khim. Tekhnol. 36 (2) (2002) 135–140.
- Yu.F. Snezhkin, L.A. Boryak, D.S. Izbasarov, Energy saving and intensification of the process of drying by pulsed IR radiation, Prom. Teplotekh. 23 (4–5) (2001) 90–94.

- Yu.F. Snezhkin, A.A. Khavin, L.A. Boryak, R.A. Shapar, Convective-vacuum drying of plant raw material, Prom. Teplotekh. 24 (1) (2002) 49– 51.
- E.Yu. Starikova, Boiling heat transfer on tubes of different orientations in a granular bed, Author's Abstract of Dissertation, Tomsk Polytech. Univ., 2001.
- V.N. Sudachenko, A.Yu. Popov, Mathematical description of a heat accumulator using latent heat of melting-solidification in a film green-house, Collected Papers of the All-Russian Scientific-Research Inst. of Agricultural Mechanization, No. 133, 2000, pp. 109–114.
- Yu.V. Svetlov, T.O. Vishnevskaya, Enhancement of the process of drying of permeable thin materials by the method of straight-through suction of a drying agent, Energosber ezh. Vodopodgot., No. 2, 2001, pp. 41– 45.
- V.A. Titarev, E.M. Shakhov, Heat transfer and evaporation from a plane surface in a semispace upon a rapid increase in the body temperature, Izv. Ross. Akad. Nauk, Mekh. Zhidk. Gaza, No. 1, 2002, pp. 141–153.
- L.I. Trofimov, Experimental investigation of heat transfer in vapour condensation on water jets, Teploenergetika, No. 2, 2002, pp. 64–70.
- I.Yu. Tyurin, Improvement of the technological process of the finish drying of hay under stationary conditions, Author's Abstract of Dissertation, Saratov State Agrarian Univ., Saratov, 2000.
- L.L. Vasiliev, V.V. Khrolenok, A.S. Zhuravlev, M.N. Novikov, Intensification of heat transfer in propane boiling as a method for improving the economic characteristics of evaporative heat exchangers, in: Proceedings of the Third Scientific-Technical Conference, Resource-Saving and Environmentally Pure Technologies, Grodno, 25–26 June 1998, Part I, Izd. GrGU, Grodno, 1999, pp. 203–208.
- N.V. Vitik, Mathematical simulation of melting processes in an induction melter, in: Heat Engineering and Thermal Power Engineering in Metallurgy, Magnitogorsk State Tech. Univ., Magnitogorsk, 1999, pp. 130–137.
- R.S. Zakirullin, Optimization and automatization of heat and mass transfer technological processes of convective drying of industrial goods, Author's Abstract of Dissertation, Orenburg State Univ., Orenburg, 2000.
- M.Yu. Zalunaev, G.M. Goncharov, Nonisothermal flow of polymer melts in the channels of a shaper, in: Proceedings of the Second Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, 2000, Vologda, pp. 204–205.

- M.A. Zhuchkova, Analysis of the operational regimes of the systems of sublimation dehydration, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 202–207.
- A.S. Zhuravlev, Intensification of boiling heat transfer of propane in porous coatings of heat release sources, Author's Abstract of Dissertation, Belarus State Polytech. Acad., Minsk, 2000.

9. High-temperature thermophysics

- O.A. Alekseev, M.E. Shamsutdinov, F.Kh. Kutyshev, A.V. Kostochko, Combustion and energy parameters of lignin-containing fuels, Fiz. Goreniya Vzryva 37 (1) (2001) 77–81.
- S.M. Andreev, M.V. Bushmanova, B.N. Parsunkin, Optimal distribution of heat loads over the zones of a continuous furnace to minimize fuel expenditure on heating, Elektrotekh. Sist. Kompl., No. 2, 2000, pp. 301–307.
- V.V. Bakaev, Yu.V. Rubtsov, V.A. Soloviev, Toward the problem of development of a mathematical model of thermal processes in charring devices, Vestn. Gos. Tekh. Univ. (Komsomolsk-on-Amur), No. 2, Pt. 3, 2000, pp. 88–98.
- V.V. Drobchik, Simulation of heat transfer of the walls of a plasma module, in: Proceedings of the Second International Scientific-Technical Seminar, Tomsk, 30 May–1 June, 2001, Izd. TGASU, Tomsk, 2001, pp. 94–95.
- I.A. Florko, N.I. Poletaev, A.V. Florko, A.N. Zolotko, Concerning the heat transfer of submicron MgO particles in the zone of combustion of individual magnesium particles, Fiz. Goreniya Vzryva 37 (5) (2001) 49–54.
- R.V. Fursenko, S.S. Minaev, V.S. Babkin, Thermal effect of two fronts of flame propagating in channels with opposite gas flows, Fiz. Goreniya Vzryva 37 (5) (2001) 3–11.
- L.K. Gusachenko, V.E. Zarko, V.V. Karasev, Convective regime of filtrational combustion of power engineering materials in a co-current flow of the own combustion products, Fiz. Goreniya Vzryva 37 (5) (2001) 55–56.
- A.N. Ishchenko, E.N. Mileeva, Investigation of the characteristic features of combustion of solid fuels in a closed and semiclosed volumes, Issled. Ballist. Smezhn. Vopr. Mekh., No. 2, 1998, pp. 86–92.
- A.N. Ishchenko, E.A. Salgansky, Investigation of convective combustion and shock initiation of detonation in a low-porosity fuel, Issled. Ballist. Smezhn. Vopr. Mekh., No. 3, 1999, pp. 52–53.
- A.A. Karpov, T.A. Tikhonova, Heat transfer in a combustion chamber in a pulsed operation regime, Mat. Model. 13 (6) (2001) 104–110.

- A.V. Krinkin, L.V. Kuznetsov, V.A. Kotenko, Simulation of heat and mass transfer processes in a tubular furnace, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Pt. 1, Izd. VoGTU, Vologda, 2000, pp. 64–66.
- I.A. Malchevsky, B.V. Kuzmenko, N.I. Sokolovskaya, Physical-chemical regularities of self-ignition and combustion of solid fuel particles, Energ. Elektrif., No. 6, 2001, pp. 48–50.
- S.S. Minaev, R.V. Fursenko, Instability of a diverging cylindrical flame in a rotating gas, Teplofiz. Aeromekh. 8 (2) (2001) 259–267.
- V.L. Ovsienko, Development of methods for calculating heat fields in high-voltage power lines, Author's Abstract of Dissertation, All-Russian Scientific-Research and Design Tech. Inst. of Cable Industry, Moscow, 2000.
- A.A. Sarkisov, V.A. Mitrofanov, O.A. Rudakov, A method for solving differential equations of heat and mass transfer and gas dynamics describing the processes of burning in a combustion chamber, Prom. Teplotekh. 23 (6) (2001) 15–18.
- A.A. Sarkisov, O.A. Rudakov, N.D. Salivon, V.A. Mitrofanov, A system of equations for calculating the characteristics of a combustion chamber, Prom. Teplotekh. 23 (3) (2001) 83–88.
- E.P. Volchkov, L.N. Perepechko, Influence of combustion on heat and mass transfer and friction in a boundary layer, Ustoich. Tech. Gomog. Geterog. Zhidk., No. 8, 2001, pp. 41–42.

10. Heat and mass transfer in rheologically complex fluids

- V.V. Budilkin, Heat transfer and hydraulic drag in viscous liquid flow in tubes with wire spiral inserts, in: Thermal Power Engineering, Kazan Branch of Moscow Power Engineering Inst., Kazan, 1997, pp. 3–7.
- R.T. Muthukumarasvamy, P. Ganesan, Concerning the flow of a viscous incompressible fluid near a semiinfinite uniformly heated vertical plate suddenly set in motion, Teplofiz. Aeromekh. 8 (4) (2001) 563– 572.

11. Heat and mass transfer in technological processes

- R.A. Amerkhanov, M.E. Yaroshenko, Analysis of mass transfer processes in the methane tank of a biogas setup, Energosber ezh. Vodopodgot., No. 1, 2002, pp. 88–89.
- A.V. Attetkov, I.K. Volkov, E.S. Tverskaya, Thermoactive gasket as a means of controlled influence on

the temperature field of a structure, Izv. Ross. Akad. Nauk, Energetika, No. 4, 2002, pp. 131–144.

- M.Ya. Brovman, Characteristic features of calculation of temperature fields in welding and thermal cutting, Svaroch. Proizv., No. 7, 2001, pp. 10–14.
- V.T. Buglaev, A.S. Strebkov, Efficiency of vapour cooling on spraying of water by centrifugal nozzles, in: Intensification of Operation of Heat Power Equipment Bryansk State Tech. Univ., Bryansk, 2000, pp. 53–68.
- D.P. Burtovoi, D.Yu. Khokhulya, I.B. Sheludko, Concerning the use of a microwave energy in drum dryers, Khranen. Pererab. Zerna, No. 12, 2000, pp. 43–55.
- K.P. Chernov, Detector for measuring an equivalent temperature of an air medium, in: Thermal Power Engineering, Kazan Branch of Moscow Power Engineering Inst., Kazan, 1997, pp. 97–100.
- R.V. Deryagin, A.N. Varganov, Investigation of heat aspects of wood cutting processes by the method of finite elements, in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Izd. VoGTU, Vologda, 2000, pp. 77–79.
- N.V. Dolotovskaya, D.A. Bulatova, Optimization of the surface area of heat transfer in air-cooled apparatuses, in: Proceedings of the International Conference, Technical, Economic and Ecological Problems of Energy Saving, Saratov, 2001, Izd. SGTU, Saratov, 2001, pp. 27–40.
- G.A. Dreitser, A procedure for estimating the efficiently of heat transfer intensification in heat exchanging equipment, Izv. Vyssh. Uchebn. Zaved., Mashinostroenenie Nos. 5–6, 1999, pp. 67–76.
- E.Ya. Epik, V.A. Grigorenko, Diagnostics of the upper bypass transition, in: Proceedings of the Twelfth School-Seminar of Young Scientists and Specialists Headed by Academician of the Russian Academy of Sciences A.I. Leontiev, Problems of Gas Dynamics and Heat and Mass Exchange in Power Plants, Moscow, 25–28 May 1999, Izd. MEI, Moscow, 1999, pp. 59–62.
- S.V. Karpov, E.N. Saburov, V.V. Radyushin, Cyclone separators-heat catchers for purifying and wasterecovery of the heat of gas industrial ejections. in: Proceedings of the International Scientific-Technical Conference, Problems of Energy Saving. Heat Transfer in Electric Thermal and Flare Furnaces, Tver, 14–15 November 2001, Book 2 Problems of Energy Saving, Izd. TGTU, Tver, 2001, pp. 37–39.
- M.D. Kazyaev, E.V. Kiselev, N.B. Loshkarev, V.P. Markin, Improvement of the construction and thermal operation of a heating well with application of physical modelling, Stal, No. 5, 2002, pp. 74–76.

- V.M. Kharin, G.V. Agafonov, V.I. Bardakov, Stationary heat transfer in apparatuses upon icing of a heattransferring wall, Teor. Osnovy Khim. Tekhnol. 35 (6) (2001) 636–642.
- A.S. Klimov, Yu.V. Kazakov, Analytical description of heat propagation in nonrectilinear hand welding of the joints of profiled tubes, Fiz. Khim. Obrab. Mater., No. 3, 2001, pp. 34–38.
- A.S. Klimov, V.P. Potekhin, Yu.V. Kazakov, Characteristic features of the temperature field in arc welding of skeleton structures of profiled tubes, Svaroch. Proizv., No. 4, 2001, pp. 3–6.
- V.B. Kovalevsky, I.A. Kovalkova, A.T. Kovalkov, Solution of the problem of identification of the process of heating of cylindrically-shaped bodies in industrial furnaces, Inzh.-Fiz. Zh. 75 (3) (2002) 100– 101.
- D.M. Kuznetsov, E.E. Shkulanov, Correction of mathematical models of thermal operation of furnaces for solving the problem of control of a graphitization process, Nauch. Mysl Kavkaza, No. 6, 2001, pp. 39–45.
- B.O. Lebedev, Influence of a radiant component on the process of heat and mass exchange of an oil film in the diesel cylinder, Teplofiz. Aeromekh. 8 (4) (2001) 589–594.
- Yu.M. Matsevityi, V.M. Timchenko, Diagnostics of failure of the elements of metallurgical equipment by the method of solution of inverse heat conduction problems, Prom. Teplotekh. 23 (6) (2001) 10–15.
- V.G. Okhrem, Some models of stationary thermoelectric refrigerators, Inzh.-Fiz. Zh. 74 (5) (2001) 127–130.
- V.V. Olimpiev, Influence of heat transfer enhancement on the efficiency of improved heat exchangers, Izv. Vyssh. Uchebn. Zaved., Aviats. Tekh., No. 4, 2000, pp. 61–62.
- E.V. Ovchinnikov, E.D. Sergievsky, Calculation of the hydrodynamics and heat and mass transfer in a plate heat exchanger–utilizer with a return flow of a portion of the heat transfer agent, Teploenergetika, No. 11, 2001, pp. 66–69.
- Yu.I. Rudakov, Modelling of heat and mass transfer processes and development of a press-drying facility with secondary vapour compression, Author's Abstract of Dissertation, Voronezh State Tech. Univ., Voronezh, 2002.
- A.I. Rybin, S.V. Raspopov, A heat-exchanging apparatus for foul fluids, Energosber ezh. Probl. Energ. Zap. Urala, No. 1, 1999, p. 43.
- E.N. Saburov, S.I. Ostashev, I.A. Kortoeva, O.A. Belozerova, Cyclone furnaces with intensified convective heat transfer, in: Proceedings of the Third Russian Scientific-Technical Conference, Energy Saving in Municipal Economy, Power Engineering, Industry, Uliyanovsk, 24–25 April 2001, Izd. Ul-GTU, Uliyanovsk, 2001, pp. 150–153.

- N.N. Salov, S.E. Tverskaya, Heat transfer from disks of axial-flow HTD compressors in transporting a cooling air through the inner rotor cavities, Prom. Teplotekh. 23 (6) (2001) 86–89.
- G.F. Smirnov, A.F. Zakharchenko, V.V. Borisov, Heat exchangers based on "capillary" evaporative thermosiphons for energy-saving technologies, Prom. Teplotekh. 24 (2–3) (2002) 74–79.
- Yu.V. Smirnov, The criteria of temperature field nonuniformity in the coils of stator windings, Elektrotekhnika, No. 7, 2001, pp. 26–30.
- V.D. Strygin, A.V. Sanin, Effective coefficient of heat transfer from finned air-cooled radiators, Vestn. Voronezhsk. Gos. Tekhnol. Akad., No. 6, 2001, pp. 169–171.
- L.I. Trofimov, Intensification of heat and mass transfer in direct-contact jet condensers and deaerators of evaporating and distilling installations, Collected Papers of the Sverdlovsk Scientific-Research Inst. of Chemical Machine Construction, No. 6, 1999, pp. 150–153.
- T.V. Urban, V.I. Melikhov, O.I. Melikhov, Mathematical simulation of thermohydraulic processes in horizontal SWG-1000 steam-generator, Teploenergetika, No. 5, 2002, pp. 70–74.
- E.P. Valueva, T.A. Domoratskaya, Evaluation of the thermohydraulic efficiency of recuperative heatexchanging apparatuses, Teploenergetika, No. 3, 2002, pp. 43–48.
- A.N. Varganov, S. Wedman, Temperature distribution in a sawing disk in wood cutting. in: Proceedings of the Second International Scientific-Technical Conference, Increase of the Efficiency of Heat Transfer Processes and Systems, Vologda, 19–22 April 2000, Izd. VoGTU, Vologda, 2000, pp. 77– 79.
- N.G. Vlasov, Sh.D. Mukhtarov, A.A. Zherebin, Production of tomographic sections of partially scattering media on the basis of holographic technique, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 234–235.
- O.V. Zagrebina, Generalized index of the efficiency of plate heat exchangers, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27– 29 June 2001, Izd. MEI, Moscow, 2001, pp. 259–262.

12. Heat and mass transfer in biological systems

B.A. Amerkhanov, A.K. Garkavy, Determination of heat release by the bodies of animals by means of a noncontact heat-metering devices, Prom. Teplotekh. 23 (6) (2001) 148–150.

- V.N. Kortunov, A.K. Dmitriev, A.N. Konovalov, V.A. Uliyanov, Doppler diagnostics of laser-induced mass transfer in the process of ablation of biotissues, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 456–459.
- A.V. Priezzhev, Laser Doppler microscopy of intracellular and hemodynamic processes, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 18–19.

13. Heat and mass transfer in buildings

- V.V. Ivanov, L.V. Karaseva, S.A. Tikhomirov, Nonstationary heat transfer in multilayer building structures, Izv. Vyssh. Uchebn. Zaved., Stroitelstvo Nos. 9–10, 2001, pp. 7–10.
- P.G. Krukovsky, O.Yu. Sudak, A computational– experimental approach to the analysis of a thermal state and heat losses in rooms, Prom. Teplotekh. 23 (6) (2001) 136–142.
- P.G. Krukovsky, N.P. Timchenko, O.Yu. Sudak, D.I. Rozinsky, Thermal regimes of floors of different constructions with electric-cable systems of heating, Prom. Teplotekh. 24 (1) (2002) 10–16.
- S.V. Puzach, V.G. Puzach, Some characteristic features of heat and mass transfer during fire in a room, Izv. Ross. Akad. Nauk, Energetika, No. 5, 2001, pp. 167– 175.
- A.G. Rymarov, Investigation of the efficiency of a heat insulation in nonstationary heat transfer, Stroit. Mater. Oborud., Tekhnol. 21go Veka, No. 6, 2001, pp. 14–15.
- A.N. Tretiyakov, New system for heating poultry farming places, Tekh. Oborud. Sela, No. 1, 2001, p. 9.

14. Heat and mass transfer in the environment

- B.I. Basok, Ecological resource-saving technologies for industrial heat engineering based on disperse twophase media, Prom. Teplotekh. 23 (4–5) (2001) 141– 145.
- A.D. Britov, A.I. Nadezhdinsky, S.M. Pershin, A.N. Pyash, A.N. Zhitov, I.I. Suprun, On-board lidar based on diode lasers for controlling ecological and emergency situations, in: Proceedings of the Sixth International Scientific-Technical Conference, Optical Methods of Flow Investigation, Moscow, 27–29 June 2001, Izd. MEI, Moscow, 2001, pp. 338–341.

- I.G. Drozdov, S.V. Dakhin, N.N. Kozhukhov, Modeling of mass fluxes of ejections of harmful substances into the atmosphere from power engineering objects, in: Thermal Power Engineering, Voronezh State Tech. Univ., Voronezh, 1999, pp. 194–197.
- A.M. Grishin, Heat and mass transfer, modelling and prediction of environmental catastrophes, Inzh.-Fiz. Zh. 74 (4) (2001) 41–47.
- E.V. Ovchinnikov, Investigation of the local characteristics of industrial objects and their elements under complex boundary conditions, Author's Abstract of Dissertation, Moscow Power Engineering Inst., Moscow, 2000.
- G.A. Papafanasopulo, Concerning the problem of global warming of the climate and measures of its decrease, Energetika Topliv. Resursy Kazakhstana, No. 2, 2000, pp. 70–71.
- A.Ya. Sharshanov, Concerning the calculation of radiant heat flux, in: Proceedings of the Sixteenth Scientific-Applied Conference, Big Fires: Prevention and Quenching, Moscow, 2001, Pt. 1, Izd. VNIIPO, Moscow, 2001, pp. 86–87.
- P.I. Trikoz, T.V. Mendeleeva, Heat-metering instruments for nondestructive control of underground heat lines, Prom. Teplotekh. 23 (6) (2001) 154–158.