

Koniger, E. et al

Improvement of Characteristics of High Quality Forgings  
by Using the Electroslag Remelting Process

INTERNATIONAL FORGING CONFERENCE 1970 TERMI 6-9th May

BISI-8683

HEUMANN, K. G.  
//INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND  
ION PHYSICS//  
--/--/1972, V0009, N0003,  
*The formation of uranium and thorium ions and  
their oxide ions as a function of the conditions  
during thermal ionisation*  
pp 316-324, NTC 74-11592-07E##

Ollig, Gerhard

Prospects of FRG-GDR Relations Assessed, 6 pp.  
INTERNATIONALE POLITIK 1973, Hamburg, 24-29 Sep  
73, pp 74-78.  
JPRS 61950

Jul 74

Bursche, B.-M., H. Fühl, and H. Mann 1959  
Relations between the chemism and the phytoplankton develop-  
ment on the Lower Weser (Beziehungen zwischen dem Chemismus und  
der Phytoplanktonentwicklung auf der unteren Weser)  
Internationale Revue der gesamten Hydrobiologie und Hydrographie,  
44(2): 277-298. In German.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRDC Great Lakes  
Biol. Lab., Burlington, Ont., 1973, as Transl. Series No.  
2659, 43p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *h*

Bursche, Eva-Maria

1961

Changes in the chlorophyll content and in the cell volume  
in plankton algae, brought about by different life conditions  
(Änderungen im Chlorophyllgehalt und im Zellvolumen bei  
Planktonalgen, hervorgerufen durch unterschiedliche  
Lebensbedingungen)

Int. Revue ges. Hydrobiol., 46(4): 610-652. In German.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRDC Great Lakes  
Biol. Lab., Burlington, Ont., 1973, as Transl. Series No.  
2718, 84p., typescript.

Avail. on Loan - NMNS, Wash., D.C.

Original Article Checked. 

Gutz, Manfred

1970

Experimental studies on adaptation to salinity shown by the different races of the three-spined stickleback (Gasterosteus aculeatus L.) (Experimentelle Untersuchungen zur Salzadaptation verschiedener Rassen des Dreistachligen Stiehlings (Gasterosteus aculeatus L.))

Internationale Revue der Gesamten Hydrobiologie, 55(6): 845-894. In German.

Transl. for BSP&W, 1972, 63p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *AR*

Gutz, M.

*Experimental studies on adaptation to salinity shown  
by the different races of the threespine stickleback.  
(Gasterosteus aculeatus L.)*

INTERNATIONALE REVUE DER GESAMTEN HYDROBIOLOGIE UND  
HYDROGRAPHIE, Vol 55, No 6, 1970, pp 845-894  
NFC 73-13440-06C

Wick, Armut and Siegfried Kitzke 1971  
A review of antecological and saprozoological data on fresh-  
water ciliates (Die Zusammenstellung von autökologischen  
und saprozoologischen Befunden an Süßwasserziliaten)  
Internationale Revue der Gesamten Hydrobiologie, 5 (3):  
337-344. Berlin.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of State of  
Canada, for Dept. of Environ., PB C Biological Station, Canaimo,  
V.C., 1972, as transl. Series No. 2192, 64p., typescript.

Avail. on loan - 1973, Wash., D.C.

Original Article Checked *AK*



Uhlmann, Dietrich, Jurgen Benndorf, and  
Wieland Albert

1971

Prediction of the balance of substances in storage basins  
by means of continuous or semi-continuous biological models  
I: Fundamentals (Prognose des Stoffhaushaltes von  
Staugewässern mit Hilfe kontinuierlicher oder semikontinuier-  
licher biologischer Modelle I. Grundlagen)  
internationale Revue der gesamten Hydrobiologie und Hydrographie,  
56(4): 513-539. In German.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State  
of Canada, for Dept. of Environ., PHEC Mar. Ecology Lab.,  
Dartmouth, N.S., 1973, as Transl. Series No. 2509, 39p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Utermöhl, Hans 1958  
The improvement of quantitative phytoplankton methodology  
(Zur Vervollkommnung der quantitativen Phytoplankton-  
Methodik)  
Internationale Vereinigung für Theoretische und Angewandte  
Limnologie, Komitee für Limnologische Methoden. (9):  
1-39. In German.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Great Lakes  
Biolimnology Lab., Burlington, Ont., 1973, as Transl. Series  
No. 2713, 61p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Sturhan, D.

English title unknown.

Internationalen Symposium uber Nematologie  
in Antibes, Frankreich, no. 10.9, pp. 168-174  
1966.

ONTIS TT 73-58095

may 73

*Krause, H. R.*

*On a combined method for the enrichment and isolation  
of truly dissolved organic phosphorus components from  
natural water.*

INTERNATIONALE VEREINIGUNG FÜR THEORETISCHE UND  
ANGEWANDTE LIMNOLOGIE. MITTEILUNGEN, Vol 14, 1968,

*pp 94-101*

*NTC 73-13368-08H*

SCHWEISSFURTH, R.  
//INTERNATIONALE VEREINIGUNG FUR THEORETISCHE UND  
ANGEWANDTE LIMNOLOGIE. MITTEILUNGEN//  
--/--/1968, V0014, N----,  
Studies on Manganese-Oxidizing and Reducing  
Micro-Organisms,  
pp 179-186, NTC 74-10716-08100

Straskraba, Milan

1968

The share of higher plants in the production of stagnant waters (Der Anteil der höheren Pflanzen an der Produktion der stehenden Gewässer)

Internationale Vereinigung fuer Theoretische und Angewandte Limnologie, Mitteilungen, 14, Mar.: 212-230. In German.

Transl. by TPR for BSP&M, 1973, 30p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *WR*

Wanner, Herbert

Swiss Armor - Development and Future 19 pp

INTERNATIONALE WEHR-REVUE, Vol 9, No 3, 1971  
PP 263-267

FSTC-HT-23-1369-72  
ACSI-K-1883

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

GDR-Austrian 1974 Trade, Payment Agreement  
Signed, 13 pp.  
INTERNATIONALE WIRTSCHAFT, Vienna, 12 Oct 73,  
Supplement, pp 3-4.  
JPRS 60555

Nov 73



Soviet-Austrian Trade Relations.

5 pp

INTERNATIONALE WIRTSCHAFT, Vienna, No 36, 6 Sep 74,

p 1.

JPRS 63239

Correlation of Regional Distribution of  
Sweating and Deviation from the "predicted  
4-hrs Sweat Rate"

INTERNATIONALE ZEITSCHRIFT FIR ANGEWANDTE  
PHYSIOLOGIE, Vol 31, 1972, pp 11-40.

\*NASA TT F-14,830

Apr 73

Scarperi, M.

Input and output in the System of Thermoregulation  
during Rest and Exercise

INTERNATIONALE ZEITSCHRIFTE FUER ANGEWANDTE PHYSIOLOGIE,  
EINSCHLIESSLICH ARBEITSPHYSIOLOGIE, v. 30, 1970,

pp. 186-192

NTC 73-21530-06P

NTIS N73-10074

Bleichert, A.

Input and output in the system of thermo-  
regulation during rest and exercise.

INTERNATIONALE ZEITSCHRIFT FUER ANGEWANDTE  
PHYSIOLOGIE EINSCHLIESSLICH ARBEITSPHYSIOLOGIE,

1972, pp 193-206, v. 30.

NTC 73-12221-06P

Origin, Results of Agricultural, Food  
Industry Cooperation Groups Detailed, by  
E. Godau, 11 pp.  
GERMAN, per, Internationale Zeitschrift der  
Landwirtschaft, Moscow/East Berlin, No 1,  
1973, pp 23-27.  
JPRS 59157

Jun 73

*Feeding habits of rats in connection with caries  
research.*

INTERNATIONALE ZEITSCHRIFT FUER VITAMINFORSCHUNG, Vol 34,  
No 4, 1964, pp 426-433

NTC 73-21818-06E

*Schlettwein-Gsell, D.*

*Survey of trace elements in food. Part 1. Zinc.*  
INTERNATIONALE ZEITSCHRIFT FUER VITAMINFORSCHUNG, Vol 40,  
1970, pp 659-672  
NTC 74-10278-06H

SCHLETTWEIN-GSELL, D.

Trace elements in Food Products, Part V. Nickel  
INTERNATIONALE ZEITSCHRIFT FÜR VITAMIN-FORSCHUNG,  
vol. 41, pp. 429-437, 1971  
NRC C-11827

March 73



Flores, Carlos Vargas

Geological Interpretation of Proportional Images from  
ERTS-A Satellite

INTERPRETACION GEOLOGICA DE IMAGENES PROPORCIONADAS  
PRO EL SATELITE ERTS-A SERVICIO GEOLOGIC DE BOLIVIA,  
PROGRAMA DEL SATELITE TECHNOLOGICO DE RECURSOS NATU-  
RALES, LA PAZ, BOLIVIA, Report, 1973, pp. 9

\*NASA TT F-15,265

LUKASHEVICH H. L.  
//INTERPRETATSIYA IZMERENIY OSVESHCHENNOSTI NA  
AVTOMATICHESKOY MEXHPLANETNOY STANTSII  
VENERA-8//  
--/--/1973, V----, N----,  
Interpretation of the measurement of illumination  
on the venera i interplanetary automatic  
station 18 pp  
pp 20 NASA TT F 15260#

Leont'yev, L. V.

Interpretation of the distribution of craters on the  
visible side of the lunar surface

INTERPRETATSIYA RASPREDELENIYA KRATEROV NA VIDIMOY  
CHASTI LUNNOY POVERKHNOSTI, USSR Academy of Sciences,  
Institute of Space Research, Moscow, Report D-153  
1973, pp. 10

NASA TR F-15,220

SOLDNER, F.  
//UNTERSUCHUNG DER SCHNELLEN MAGNETISCHEN PLASMA-  
KOMPRESSION ALS METHODE ZUR ERZEUGUNG HOHER  
TEMPERATUREN BEI SCHWACHER KOMPRESSION//  
--/01/1974, V----, N----,  
Investigation of Fast Magnetic Plasma Compression  
as Method for Generating High Temperatures with  
Weak Compression, 54 pp  
AEC/LA/TR-74-32

##

Lacaz, Carlos da Silva, et al *800.4*

Introduction to the Medical Geography of Brazil

INTRODUCAOA GEOGRAFIA MEDICA DO BRASIL  
1972, 568 pp.

ACSI-K-4236

Protection and Utilization of  
Romanian Inventions, by V. Niculescu, 19 pp.  
ROMANIAN, per, Inventii si Inovatii, Bucharest,  
Vol VII, No 11, Nov 72, pp 401-405; No 12,  
Dec 72, pp 441-446.  
JPRS 58532

Apr 73

Anodic Stripping Voltammetry, by Kh. Ye. Brainina,  
192 pp.

INVERSIONNAYA VOLTAMPEROMETRIYA TVERDYKH FAZ, 1972

\*IPST

April 73

Capital Construction Plan for 1973 Discussed,  
by Karol Ujhazy, 14 pp.  
GOVERNMENT USE ONLY  
SLOVAK, per, Investicni Vystavba, Prague,  
No 1, 1973, pp 4-9.  
JPRS/L 4473

Apr 73



Investment Construction Plan for 1973  
Discussed, by Karol Ujhazy, 7 pp.  
GOVERNMENT USE ONLY  
SLOVAK, por, Investicni Vystavba, Prague,  
No 2, 1973, pp 38-42.  
JPRS/L 4483

Apr 73

Riha, Ladislav

Investment Construction Development, Prospects  
Outlined, 13 pp.

GOVERNMENT USE ONLY

INVESTICNI VYSTAVBA, Prague, No 2, Feb 74,  
pp 35-39.

JPRS/L 4908

Jul 74

Margalef, R., M. Duran, and F. Saiz 1955  
The phytoplankton of the ria of Vigo from January 1953 to  
March 1954 (El fitoplancton de la Ria de Vigo de enero de  
1953 a marzo de 1954)  
Investigacion Pesquera, 2: 85-129. In Spanish.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., MREC Great Lakes  
Biolimnology Lab., Burlington, Ont., 1973, as Transl. Series  
No. 2657, 67p., typescript.

Avail. on Loan - NMMS, Wash., D.C.

Original Article Checked *JK*

Chrenko, Simon

Slovakia's Construction Activity 25 Years  
After Nationalization, 5 pp.

GOVERNMENT USE ONLY

INVESTICNI VYSTAVBA, Prague, No 6, Jun 73,  
pp 172, 173.

JPRS/L 4671

Oct 73

Malicovsky, Rudolf

CSR Investment Construction Over 25 Years of  
Nationalization, 10 pp.

GOVERNMENT USE ONLY

INVESTICNI VYSTAVBA, Prague, No 6, Jun 73,

pp 174-177.

JPRS/L 4671

Oct 73

Valkovsky, Jiri

Development of Construction Activity Through  
1990 Outlined, 7 pp.

GOVERNMENT USE ONLY

INVESTICNI VYSTAVBA, Prague, No 6, Jun 73,

pp 178-180.

JPRS/L 4671

Oct 73

Control of Recreational Facility Construction  
Discussed, 14 pp.

GOVERNMENT USE ONLY

INVESTICNI VYSTAVBA, Prague, No 10, Oct 73,  
pp 321-326.

JPRS/L 4776

Jan 74

Investments in Computers to Increase, by  
Andrzej Kierczynski, 7 pp.  
POLISH, per, Inwestycje i Budownictwo, Warsaw,  
No 3, Mar 73, pp 24-26.  
JPRS 58939

May 73



Mazan, Waldemar

Motor Fuel Service Problem Analyzed, 5 pp.  
INWESTYGJE I BUDOWNICTWO, Warsaw, No 4,  
Apr 73, pp 27-29.  
JPRS 59551

Aug 73

Plocica, Albin

Results and Prospects of Investment Plan  
Analyzed, 16 pp.  
INWESTYCJE I BUDOWNICTWO, Warsaw, No 10,  
Oct 73, pp 1-8.  
JPRS 61090

Feb 74

Gniewaszewski, Jerzy

Results of Construction Development Plan  
Assessed, 12 pp.

INWESTYCJE I BUDOWNICTWO, Warsaw, No 10,  
Oct 73, pp 8-13.

JPRS 61000

Feb 74

Dobijsa, Edward

Housing Construction Prospects Outlined, 8 pp.  
INWESTYCJE I BUDOWNICTWO, Warsaw, No 11, Nov 73,  
pp 1-4.  
JPRS 61134

Mar 74

Szczepanowski, Henryk

Implementation of 1971-1973 Investment Plan  
Analyzed, 7 pp.

INWESTYCJE I BUDOWNICTWO, Warsaw, No 12, Dec 73,  
pp 20-22.  
JPRS 61230

Mar 74

Secomski, Kazimierz

Problems of 1974 Investment Plan Analyzed, 14 pp  
INWESPCJE I BUDOWNICTWO, Warsaw, No 1,  
Jan 74, pp 1-7.  
JPRS 61690

May 74

Gniewaszewski, Jerzy

1974 Construction Plan Outlined, 6 pp.  
INWESTYCJE I BUDOWNICTWO, Warsaw, No 1, Jan 74,  
pp 8-10.  
JPRS 61690

May 74

Orlo-Kulak, Stanislaw

Regional Environmental Protection Plan Outlined,  
9 pp.

INWESTYGCJE I BUDOWNICTWO, Warsaw, No 1, Jan 74,  
pp 32-35.

JPRS 61675



Secomski, Esimierz

Trends and Targets of Investment Policy  
Analyzed, 14 pp.

INWESTYCCJE I BUDOWNICTWO, Warsaw, No 7, Jul 74,  
pp 1-8.

JPRS 63167

Nov 74

GNIEMASZEMSKI, JERZY  
//INWESTYCJE I BUDOWNICTWO//  
--/07/1974, V----, N0007, pp 0008-0014  
Development of Construction Industry Outlined  
8 pp  
JPRS 63498  
#

DANGEL, JAN

//INWESTYKJE I BUDOWNICTWO//

--/07/1974, V----, N0007, pp 0020-0025

Development of Housing Construction Outlined

8 pp

JPRS 63496

"

Agency: AEC/TENN.

9344/1865

P.O.No. CTR-74-21

1 July 1974

Title: Inzhetsiya Elektronov i Uderzhaniye Plazmy v  
Mnogoshchelevoy Elektromagnitnoy Lovushke.

Author: O.A.Lavrent'yev; V.A.Sidorkin; V.P.Goncharenko et  
al

Source: Physical-Technical Institute Academy of Science  
of Ukr. SSR, Kharkov, 1974 ppl-18

Language: Russian

Instructions: Please type single space, paginate.

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P. Pavel

Filtration defects as the cause of the failure of the dam Hrinova.

Inzenyrske stavby, Bratislava, Vol. 16, no 2,  
pp.49-54, Feb. \*1968.

\*NTIS-TT-73-55041

Apr 73

M. Koukal

The Concreting of the slopes of a conduit at  
Upa.

Inzenyrské Stavby, Bratislava, Vol. 16, no.2,  
pp.66-71, Feb, 1968.

\*NTIS-TT-73-55050

Apr 73

P. Peter

Peculiarities of the breach in the dams on the  
river Ondava.

INZENYRSKE STAVBY, Bratislava, vol. 18, no. 3,  
pp.97-101, Mar 1968.

\*NTIS-TT-73-55049

Apr 73

Denisov, V. S.

Engineering psychology in aviation and cosmonautics.  
INZHENERNAYA PSIKHOLOGIYA V AVIATSII I KOSMONAVTIKE, 1972

315 pp

NASA T T F 799

14  
may 1973



Denisov, V. G.

Aerospace Human Factors Engineering.  
275 pp

INZHENERNAYA PSIKHOLOGIYA V AVIATSII I KOSMONAVTIKE,  
Moscow, 1972, 316 pp.

JPRS 60419

.REQ TR CHECK

11-05-73

T726

THE EFFECTO OF VARIOUS TYPES OF HUMAN  
OPERATOR FAILURE ON HIS PERFORMANCE  
GUBINSKIY, V.I:

UR: INZH. PSIKHOLOGIYA V PRIBOROSTR,  
1967, pp. 139-144

HT 73 - 23 - 0695

Strumillo, C.A.

Simultaneous Heat and Mass Transfer in the  
Process of Evaporation of Liquids from  
Porous Bodies

INZ. CHEM. (IZCMA5), Vol 2, No 2, 1972, pp 265-283

\*NTIS-TT-74-54044

Cybulski, A.W.

Analysis of Methods of the Measurement of Heat  
Transfer Coefficient in packed beds

INZ. CHEM. (IZCMAS), Vol 2, No 2, 1972  
pp 343-354

\*NTIS-TT-74-54045

Cybulski, A.

Heat Transfer in Packed Beds of Irregular  
Particles

INZ. CHEM (IZCMAS), Vol 2, No 2, 1972, pp 355-363

\*NTIS-TT-74-54046

*INZHENERNO-FIZICHESKIY ZHURNAL*

*JOURNAL OF ENGINEERING PHYSICS*

*COVER TO COVER CONSULTANTS BUREAU*

*BEGAN WITH 1965 ISSUES*

Stability of the Convective Boundary Layer in a  
Liquid Filling a Horizontal Cylinder, by  
G. F. Shaydurov, 8 pp.  
INZHENRNO-FIZICHESKIY ZHURNAL, No 12, 1959, pp 68-71.  
NAVY/NISC-3437

June 73

2-May-74

Uncl (SLA--74-6013) Theory of damage by cavitation.  
SEMERCHAN, A.A.; VERESHCHAGIN, L.F.; FILLER, F.M.; KUZIN,  
N.N. Translated by P.E. Newman from Inzh.-Fiz. Zh.; 3:  
No. 3, 87-90(Mar 1960). 7p. Dep. NTIS \$4.00.

13 engineering; translations  
MN-38 P NSA



Relationship between Strength and Dynamic  
Characteristics of Cohesive Soils of Natural Structure,  
by B. P. Yerykhov, 5 pp.  
INZHENERNO-FIZICHESKIY ZHURNAL, No 4, 1960, pp 123-124.  
X-7747

April 73

Zhivaykin, L.

Determination of the Entrainment of a Liquid  
by a Gas Stream from the Surface of a Film.  
Inzhenerno-Fizicheskiy Zhurnal, No. 8, 1961.

FSTC-HT-23-1992-72

ACSI K-2533

Doroteyev, S.

Some Problems in the Dimensionless Generalization of the Characteristics of Blown Electric Arcs, A.

INZH.-FIZ. ZH., AKAD. NAUK BELORUSSK. SSR

Vol. 10, No. 1, pp.26-31, 1966.

A.T.S. RJ-5253

DUREV, G. N.

//TEKHNICHESKO-FIZICHESKII ZHURNAL//

--/--/1967, VOLUME, N-----,

Thermal Conductivity of Multicomponent Solutions,  
pp 419-425, NTC 74-11327-07189

Berezhinskiy, R.A.

Heat Transfer Through Finned Surfaces 9 pp

INZHENERNO-FIZICHESKIY ZH, No 2, 1970, pp 305-311

FSTC-HT-23-2001-72

ACSI-K-2537

Shleyeman, I.L.

Calculation of Contact Surface Temperature in  
the Powerful Electric Arc of Industrial Fre-  
quency Current.

Inzhenerno-Fizicheskiy Zhurnal, 1970, Vol 18,  
nr. 5, pp 878-882.

FSTC-HT-23-1112-72

ACSI K-1632

Romanenko, P. N.

Effect of a Transverse Mass Flow on Heat Transfer and  
Dynamics of a Turbulent Hot Air Flow in Axi Symmetric  
Diffusor with a Permeable Wall 8 pp

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 19, No. 2, 1970

ACSI-K-2538

FSTC-HT-1995-72

Kurtender, D. A.

Design Method for Calculating Temperature  
Fields of Solids Under Conditions of Natural  
Heat Exchange with Atmosphere.

INZHENERNO-FIZICHESKIY ZHURNAL No. 1, 1971,  
pp 68-73.

FSTC-HT-23-1996-72

ACSI K-2540



Yurevich, F. B.

Methods for Calculating the Ablation of a Teflon Mass  
During its Degradation in a High Temperature Gas Stream  
8 pp

INZHENERNO-FIZICHESKIY ZHURNAL, No. 1, 1971, pp 70-75

ACSI-K-2499

FSTC-HF-23-2004-72

11 pages

V. N. Levitskiy, et al

Heat Transfer at an Initial heat Segment for  
Stabilized Turbulent Air Flow in Circular Tubes  
and Rectangular Channels.

INZHENERNO-FIZICHESKII ZHURNAL, Vol. 20, Feb 1972,  
pp 217-223.

ACSI-K-1,34

FSUC-RR-13-2003-72

Art. 13

CALCULATION OF THERMAL INTERACTION BETWEEN AR  
C COLUMNS AND ELECTRODES

KRIZHANSKY, S.      LANGUAGE-RU      COUNTRY-UR

INZHERENI-FIZICHESKIY ZHURNAL 1971 VOL 20 NO.  
2 PP 299-305

FSTC-HT-23-1426-73

Lyubov, B. Ya.

Heat Transfer in Steel Sheet Rolling 10 pp

INZHENERNO-FIZICHESKIY ZHURNAL, No. 2, 1971 pp 321

ACSI-K-2535

PSIC-INT-23-1993-72

GLEUSHAKOV, A. N.

//ИНЖ. -ФИЗ. ЗАКР.//

--/--/1971, 70021, 70002,

Non-Steady-State Temperature Field in a Porous

Body During Filtration of a Gas, 5 pp.

pp 354-356, PSTC-INT-23-177-7306

Ibragimova, L.B.

Determination of the Equilibrium Composition of Gas  
in Reacting Mixtures at High Temperatures 11 pp

INZHEMERNO-FIZICHESKIY ZH, No 3, 1971, pp 453-461

FSTC-HT-23-1999-72

ACSI-K-2539

THE INDUCTOR-PRODUCT SYSTEM AS A CONTROL OBJECT FOR INDUCTIONAL CONTINUOUSLY HE

RAZORENGV, N.      LANGUAGE-RU      COUNTRY-UR

INZHENERNO-FIZICHESKIY ZHURNAL 1971 VOL 20 NO  
3 PP 476-80

FSTC-HT-23-1425-73

Bychkova, L. A.

Experimental study of diffuser channels with  
preparation state of the turbulent boundary layer  
INZHENERNO-FIZICHESKII ZHURNAL, v. 21, 1971, pp. 518-  
523

NTC 73-12002-20D

NTIS 772-28200



COPIES, A.M.

//~~SECRET~~ - SECURITY INFORMATION //

--/0/1971, 1001, 1002

Solutions to the direct problem of heat transfer  
between a cooled turbine blade and gas using the  
disposition method, Tpp,

DDSI-703, AIR/STD/18-25-716-7/1/71

*In the news -*

Maksimov, Ye. A.

Heat Transfer in Porous Media 5 pp

TEKHNICHESKO-FIZICHESKIY ZHURNAL No. 4, 1971, pp 508-509

ACSI-K-2407

ESTC-IT-23-2002-72

Borishanski, V. M.

Cesium Vapor Condensation from Argon Flows  
INZHENERNO-FIZICHESKII ZHURNAL, v. 20, n. 4, 1971,  
p. 600-606

ENG 72-11703-300

NTIS 72-10232

Morozov, M.G.

Adiabatic Surface Temperature in a Vortex  
Boundary Layer 7 pp

INZHENERNO-FIZICHESKIY ZHUR. Vol 20, 1971,  
pp 903-908

FSTC-HT-23-2077-72  
ACSI-K-2690

REQ TR CHECK . 20-08-73 T312

INVESTIGATION OF THE EFFECTIVENESS OF FILM  
COOLING UNDER THE ACUTAL CONDITIONS OF SOME  
ENGINES

ZOLOTOGOROV, M.S.

UR: INZHERERNO-FIZICHESKIY ZHURNAL,  
VOL 22, NO. 1, 1972, pp. 45-49

*From an en*  
*HS 74 - 23 - 0312*

DENISOV. YE. YE.  
//INZHENERNO-FIZIECHESKIY ZHURNAL//  
--/08/1971, V0021, N0002  
Statement of the two dimensional nonstationary  
problem of thermal conductivity for a bladed  
wheel of a gas turbine 12 pp  
pp 257-264 AIR/FTD/Ht-23-725-74##

EXPERIMENTAL STUDY OF UNSTEADY THERMOELECTRIC  
COOLING. II EXTREMUM CURRENT REGI *13 jpb*

JORDANISHVILI, LANGUAGE-RU COUNTRY-UR

INZH.-FIZ. ZHURNAL, VOL 22, #2 (FEB.), 1972,  
220-226

*ARM*

FSTC-HI-23-1700-73

11-Sep-73  
Uncl (MLM--2082(tr)) Question of the optimal size of  
the separating slit. RABINOVICH, G.D.; GUREVICH, R.YA.  
Translated from Inzh.-Fiz. Zh.; 22: No. 5, 825  
628(1972). 7p. Dep. NTIS \$4.00.

07A chemical engineering; translations  
MM-4 P NSA



*Kortikov, N. N.*

*Wall Jet at a Curved Surface*

INZHEVERNO-FIZICHESKII ZHURNAL, v. 22, 1972, pp. 881-884

NTC 73-21502-20D

NTIS N73-13296

11-Sep-73  
Uncl (MLM--2083(tr)) Thermodiffusion in liquid and  
gaseous multicomponent isotopic mixtures. RABINOVICH,  
G.D.; IVAKHNIK, V.P. Translated from Inzh.-Fiz. Zh.  
22: No. 6, 1020-1026(1972). 11p. Dep. NTIS \$4.00.

07A chemical engineering; 07D chemistry (physical):  
translations  
MN-4 P NSA

Study of Gas Flow in Parallel Jets, by Yu. M. RUDOV.  
INZH-FIZ ZH. Vol 22, No 6, 1972, pp 1133  
NAVY/APL/JHU-T-2702

May 73

Calculation of the Two-Dimensional Wake Behind a  
Body, by L. I. Skurin.  
INZH-FIZ ZHURNAL, Vol 23, No 1, 1972, pp 104-111.  
NAVY/APL/JHU-T-2725

June 73

Study of Jet System Mixing with a Transverse Flow in  
a Duct, by V. V. Zlobin.  
INZH-FIZ ZHURNAL, Vol 23, No 3, 1972, pp 541-544  
NAVY/APL/JHU-T-2742

May 73

*Volkovich, Yu. M.*

*Self-regulation of water removal in Hydrogen-Oxygen  
fuel cell and the width of sel-regulating zones.*

*14 pp*

*INZHENERNO-FIZICHESKIY ZHURNAL, Vol 23, No 4, Oct 1972*

*pp 618-626*

*AIR/FTD-HT-23-399-74*