

The Theory of Jets in Ideal Fluids, by M. I. Gurevich.

RUSSIAN, Mono., Teoriya Strui Ideal'noi Zhidkosti, Moscow, 1961. To be published in 1965.

As per \*OTS, Vol 12, No 11

Sci -  
Aug 66

Theory of Viscous-Fluid Jets, by  
L. A. Vulis, V. P. Kashkarov, 527 pp.  
RUSSIAN, bk, Teoriya Struy Vязkoy  
Zhidkosti, 1955, pp 1-431  
FI00199568-V  
FTD-HT-23-669-67

Sci/Physics  
Sep 68

364,204

Theory of Superfluidity, by I. M. Khalatnikov.  
approximately 240 pp.  
RUSSIAN, bk, Teoriya Sverkhtekuchesti, 1972.  
Plenum Press

Sci-Phys  
Sep 70

Radar Scan Energy of Limited Sections of the  
Earth's Surface, by B. F. Vysotkiy,  
B. A. Vaynich, 11 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
1966, pp 36-43.  
JPRS 47,690

Sci-Elect & Elect Engr  
Apr 69

728 250

The Effectiveness of Coherent Radar in  
the Reception of Partially Coherent  
Packets, by I. M. Miroshnichenko.  
RUSSIAN, per, Teoriya i Tekh Radiolo-  
katsiy, No 1, 1966, pp 97-109.  
Dept of Navy APL/JHU T-2225

Sci-Mav  
Mar 69

376,336

Requirements for Component Stability of  
Coherent-Pulse Radars, by P. A. Bakulev,  
15 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
1966, pp 122-133.  
JPRS 47,690

Sci-Elect & Elect Engr 378,360  
Apr 69

Time-Amplitude Quantization of Pulsed Radar Signals by V. A. Ikhurev, 6 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 4-9.  
JPRS 56143

June 72

Determination of the Mean Time Between Successive  
False Detections for a Binary Signal Detector With  
Variable Memory Size, by Ya. A. Furman,  
V. A. Likharev, 7 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 9-15.  
JPRS 56143

June 72



Measuring the Angular Position of a Target by  
Scanning Radar Against a Background of Correlated  
Noise, by Yu. A. Mifontov, V. A. Likharev, 8 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 11-22.  
JPRS 56143

June 72

Estimating the Direction Finding Accuracy of  
a Scanning Radar Using the Markov Chain Apparatus,  
by V. A. Likharev, G. A. Furman, 6 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii.  
Moscow, 1971, pp 23-28.  
JPRS 56143

June 72

Orthogonal Binary Random Processes, by  
G. G. Dehavadov, 5 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 28-33.  
JPRS 56143

June 72

Analysis of the Operation of Pulse Radar Automatic  
Range Finders, by A. Ye. Kharyhin, 15 pp.  
RUSSIAN, bk. Teoriya i Tekhnika Radiclokatsii,  
Moscow, 1971, pp 10-53.  
JPRS 56143

June 72

Spectral-Correlation Characteristics of a Pair of  
Orthogonal Binary Random Signals, by  
I. A. Sklyarov, E. G. Dzhavadov, 7 pp.  
RUSSIAN, bk, Tecriya i Teknika Radiolokatsii,  
Moscow, 1971, pp 40-53.  
JPRS 56143

June 72

Analysis of Tracking Systems Which Maintain Con-  
stancy of the Product (or Quotient) of Dependent  
and Independent Variables, by R. A. Genchar,  
A. G. Saybel<sup>1</sup>, 9 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 53-62.  
JPRS 56143

June 72

Analysis of Phase Radio Range Finders With Mutual  
Automatic Scanning Frequency Control in the  
Interrogator-Responder, by S. A. Gonchar,  
A. G. Saybel', 8 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 62-70.  
JPRS 56143

June 72

Statistical Error Analysis of AM Radio Altimeters  
With Phase Reseent, by V. V. Tsvetnov, 26 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 71-96.  
JPRS 56143

June 72



Effect of the Type of Detection on the Statistical  
Properties of the Signal in an AM Radio Altimeter  
With Phase Readout, by V. V. Tsvetnov, 25 pp.  
RUSSIAN, bk. Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 96-120.  
JPRS 56143

June 72

Statistical Error Analysis of an FM Radio Altimeter  
With Phase Readout, by Yu. L. Pivovarov, 15 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 120-133.  
JFFB 56143

June 72

Analysis of the Efficiency of Systems for Selecting  
Moving Targets When Using Interperiod Compensation  
Devices, by I. A. Bakulev, 5 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 134-138.  
JPRS 56143

June 72

Joint Probability Distribution Density of the  
Amplitude Difference and Phase Difference of the  
Sum of the Signal and Correlated Noise in Inter-  
period Subtraction Circuits, by F. A. Bakulev,  
M. B. Tenin, 13 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 138-148.  
JPRS 56143

June 72

Probability Distribution Density of the Phase  
Difference of the Sum of Signal and Correlated  
Noise, by P. A. Bakulev, 8 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 149-156.  
JPRS 56143

June 72

Probability Distribution Density of the Amplitude  
Difference of the Sum of the Target Signal and  
Correlated Noise. by P. A. Bakulev, 7 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 156-162.  
JPRS 56143

June 72

Problem of Analyzing the Distribution Density  
of a Process at the Output of an IPC System, by  
M. B. Tenin, 5 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 162-166.  
JPRS 56143

June 72

Speed Characteristics of IPC Systems With Inter-  
mittent Pulse Repetition Periods, by  
Yu. A. Korablev, 5 pp.  
RUSSIAN, bk. Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 167-171.  
JPRS 56143

June 72



Detection of a Quasideterministic Signal With  
Simultaneous Measurement of its Parameters, by  
V. G. Valev, Yu. G. Sosulin, 21 pp.  
RUSSIAN, bk, Tecniya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 172-189.  
JPRS 56143

June 72

Effect of a Priori Information on the Location of  
an Object on the Quality of Radar Detection, by  
B. A. Voynich, 8 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 193-197.  
JPRS 56143

June 72

Detection of Weak Signals in the Optical Wave  
Range, by S. N. Iarova, 19 pp.  
RUSSIAN, bk. Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 198-208.  
JPRS 56143

June 72

Multifilter Detection Circuit Using a Phase Auto-  
correlator, by G. A. Volkova, A. I. Yudit'skiy,  
10 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 209-216.  
JPRS 56143

June 72

Determination of the Range to a Target by Passive  
Radar, by O. V. Belavin, 9 pp.

RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 216-223.

JPRS 56143

June 72

**Spectrum and Correlation Function of the Random Process at the Output of a Key Detector, by**  
**A. A. Gornovskiy, 30 pp.**  
**RUSSIAN, Int. Tech. J. Electron. Radiophys., Moscow, 1971, pp 229-230.**  
**JPRS 56143**

June 72

Period Modulation, by N. V. Chetyrkin, 8 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 232-239.  
JPRS 56143

June 72

Study of Short-Term Instability of the Klystron  
Frequency in the Millimeter Range, by  
V. Ya. Flekin, N. P. Pospelova, 5 pp.  
RUSSIAN, bk. Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 239-244.  
JPRS 56143

June 72



Sawtooth Voltage Generator With Short Return Time,  
by K.V. Barinov, 5 pp.  
RUSSIAN, bk, Teoriya i Tekhnika Radiolokatsii,  
Moscow, 1971, pp 244-248.  
JPRS 56143

June 72

Three Centimeter Ring Balanced Modulator, by  
Yu. A. Ostroanov, A. M. Klement'yev, 13 pp.  
RUSSIAN, bk. Tecriya i Teknika Radiolokatsii,  
Moscow, 1971, pp. 249-262.  
JPRS 56143

June 72

The Problem of the Reliability Design of Redundant Logic Systems, by S. M. Brodi and I. V. Safonov. 8 pp.  
RUSSIAN, per, Teoriya Tochnosti i Nadezhnosti Kiberneticheskikh sistem. Seminar, No 1, 1967, pp 45-52.  
AIR/FTD/MT-24-351-70

Sept 71

REQ TR CHECK

18-12-34

~~BR70-2418~~

T42C

Statistical Characteristics of Digital  
Computer Operation

Zubatenko, A. Ya.; Nemoshkalenko, I.D. et al  
Russ: Seminar. Teoriia Tochnosti i Nadezhnosti  
Kiberneticheskikh Sistem. Trudy nr. 2, 1967.  
(ANUSSR-Nauchnyi Sovet po Kibernetike)  
pp. 67-101

*In process as*

*HC-23-71-354 neg 1/12/71*

Theory of Combustor Processes, by G. F. Korne,  
K. M. Aref'yev, et al. Vol 1 of 2. 521 pp.  
RUSSIAN, bk, Teoriya Tpodnykh Portsessov,  
1966, pp 1-259,  
AIR/PTD/PT-23-495-68 Vol 1 of 2

sci/ propulsion and fuels  
nov 69

397,260

Theory of Combustor Processes, by G. F. Knorre,  
K. M. Anif'yev, et al. Vol 2 of 2. 521 pp.  
Russian, bk, Teoriya Topocnykh Protsessov,  
1966, pp 260-521.  
AIR/PTD/AT-23-495-68 Vol 2 of 2

sci/ propulsion and fuels  
nov 69

397,259

Theory of Turbulent Plasma, by A. A. Vedenov,  
RUSSIAN, bk, Teoriya Turbulentnoi Plazmy, 1965,  
pp 1-96.

CFSTI TT 67-51214

NASA TT F-436

Sci-Phys  
Feb 67

319,111

Theory of Unitary Symmetry, by Yu. B. Rumer,  
A. I. Fet. approx 320 pp.  
RUSSIAN, bk, Teoriya Unitarnoi Simmetrii, 1970.  
CONSULTANTS BUREAU/PLENUM PRESS

sci/physics  
dec 69

398,603



REQUEST TR CHECK

19-1-4

BR 70-12-51

Mechanics of Cosmic Flight

Ponomarev, V.M.

Russ bk: Teoriya Upravleniya Dvizheniyem  
Kosmicheskikh Apparatov, 1965, 455 pgs.

*In Process as  
FTD-MT-24-3-79  
Jea, this was dup checked before but*

*I think I had the wrong source.*

*Rest of book Negative*

5934 pp 350-369

**Theory of Control of the Motion of Spacecraft,**  
by V. M. Ponomarev, 348 pp.  
**RUSSIAN, bk, Teoriya Upravleniya Dvizheniyem**  
**Kosmicheskikh Apparatov, 1965, pp 1-176, 231-298,**  
**319-350, 377-455.**  
**AIR/FTD/MT-24-33-70**

**Sci-Space Tech**

Theory of Traffic Control for Space  
Vehicles (Chapters IV and VI), by  
V. M. Ponomarev, 58 pp  
RUSSIAN, bk, Teoriya Upravleniya  
Dvizheniyem Kosmicheskikh Apparatov,  
1965, pp 177-318  
P100165068-V  
FTD-MT-24-369-67

Sci-Nav, Com, Det, Cnt:measures  
Sep 68                                      364,151

Control Program for Let-Down from Circular  
Orbit (And) Control Programs for Atmospheric  
Re-Entry at Super-Circular Velocity,  
by V. M. Ponomarev.    20 p.

RUSSIAN, bk, Teoriya Uravleniya Dvizheniem  
Kosmicheskikh Apparatov, Moscow, 1965,  
pp 350-369.

SIA TT-66-10460

CIA/FDD X-5734

Sci-Aero  
jul 66

306,180

The Theory of Probability: A Historical  
Sketch, by L. E. Maistrov.  
RUSSIAN, bk, Teoriya Veroyatnostei  
Istoriceskiy Oчерk, 1967.  
\* Academic Press, Inc.

Sci/misc  
May 70

Probability Theory, Mathematical Statistics,  
and Theoretical Cybernetics.

RUSSIAN, bk, Teoriya veroyatnostei, Matematicheskaya  
Statistika, Teoreticheskaya Kibernetika, 1966,  
1967, 1968.

Plenum Press

Sci/Math  
June 68

359,343

Probability Theory, Mathematical Statistics, and  
Theoretical Cybernetics.

RUSSIAN, bk, Teoriya Veroyatnostoi, Matematiches-  
haya Statistika i Teoreticheskaya Kibernetika,  
1968, 1969.

CONSULTANTS BUREAU/PENUM PRESS

sci/mathem  
june 69

384,204

TEORIYA VEROYATNOSTEI I  
EE PRIMENENIYA  
(Theory of Probability and its  
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TEORIYA VEROYATNOSTEI I EE PRIMENENIYA, 1965 -  
No 1, 1972.

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**Incomplete Exponential Families and  
Unbiased Minimum-Variance Estimates  
Part I, A. M. Kagan, V. P. Palanadov.  
RUSSIAN, per, Teoriya Veroyatnostei  
i ee Primeneniya, Vol 12, No 1, 1967,  
pp. 39-49.  
NTC 69-11670-12A**

**Sci-Nat  
July 69**

**386,691**

Theory of Stochastic Processes in Hydro-  
logy and River Runoff Regulation, by  
N. A. Kartvelishvili.  
RUSSIAN, bk, Teoriya Veroyatnostnykh Pro-  
tsessov v Gidrologiy i Regulirovaniy  
Rechnogo Stoka, 1967, 223pp  
CPSTI TT 68-50478

Sci-Ear Sci  
Apr 69

380 322

Theory of Jet Engines, by A. I. Klyachkin. 657 pp.  
RUSSIAN, bk, Teoriya Vozdushno-Reaktivnykh Dvigatelye.  
1969, pp 1-512.  
AIR/FTD-MT-24-123-70

may 71

Theory of Stellar Spectra, by V. V. Sobolev,  
RUSSIAN, bk, Teoriya Zvezdaykh Spektrov, 1966.  
P910247367-V  
NASA TT F-457

Sci-Nucl Sci  
Jul 67

331,682

Heat of the Ground, by I. Dvorov, 12 pp.  
RUSSIAN, per. Teplo Zemli,  
ACSI-K-0988  
FSTC-HT-23-437-72

Mar 72

Heat and Mass Transfer, by A. V. Lykov & B. M.  
Smol'skii.  
RUSSIAN, bk. Ten: - 1 ~~RUSSIAN~~ Vol 1, 1965.  
CFSTI TT 67-51367  
NASA TT P-431

Sci/Phys  
Jan 68

348,315

Fluv in Channels with Permeable Walls, by I. S.  
Kochanov, L. I. Baranova, 6 pp.  
RUSSIAN, par. Te's - i Masheperompa, Vol 1, 1965,  
pp 131-135. P100 32767  
FTD-HT-66-518

Sed-Flyrics  
Jan 68

348,622



Hydrodynamics and Heat Exchange of Twisted  
Flow Between Two Coaxial Cylinders, by  
V. N. Zasykov, B. P. Ustinenko, 15 pp.  
RUSSIAN, per, Teplota i Massopereenos, Vol 1,  
1965, pp 148-163. P100220968-V  
FTD-HT-66-175

Sci/Phys  
Sept 68

366,629

Experimental Investigation of Friction and  
Heat Exchange at Flow of Gas in Diffused  
Channel with Cooled Walls in the Presence  
of Combustion, by P. N. Romanenko,  
A. N. Oblivin, 9 pp.  
RUSSIAN, per, Teplo- I Massoperenos, Vol 1,  
1965, pp 164-171. P100220968-V  
FTD-MF-66-175

Sci/Phys  
Sept 68

366,630

Generalization of Dependences Pertaining to  
Heat Transfer and to Loss of Pressure During  
Transverse Flow of Gas Past a Bundle of  
Finned Tubes, by I. Vampola, 10 pp.  
RUSSIAN, per. Tenlo- I Masoperanov, Vol 1,  
1965, pp 260-269. P100220965-V  
FTD-MT-66-175

Sci/Phys  
Sept 68

366,631

Nonsteady Flows in Tubes, by I. S. Kochenov  
and Yu. N. Kuznetsov, 9 pp.  
RUSSIAN, per, Teplo- i Massopereenos, Vol 1,  
1965, pp 306-314.  
F1002558668-V  
FTD-HT-23-776-67

Sci-Physics  
Oct 68

366,170

Polyempirical Theory of Heat Exchange of a Thin  
Plate Around Which Flows a Rarefied Gas at High  
Mach Number, by Yu. A. Koshtmarov, 14 pp.  
RUSSIAN, per. Tenlo-1 Massoperenos, Vol 2, 1965,  
pp 157-169.  
AIR/FTD/MT-23-532-67

Sci-Phys  
Nov 68

353.673

The Transfer of Heat from a Plate in the  
Supersonic Flow of Rarefied Air, by  
Yu. A. Koshmarov, N. A. Gorskiya, 18 pp.  
RUSSIAN, per, Teple-1 Massopereenos, Vol 2,  
1965, pp 170-188.  
AIR/FTD/HT-23-1381-67

Sci-Phys  
Jan 69

370,882

Friction and Heat Exchange in a Turbulent Boundary Layer on a Porous Surface During Injection of Drop-Forming Liquids and Gases, by P. N. Romanenko, Yu. P. Semenov.

RUSSIAN, rpt, Teplo- i Massoperenos, Vol 2, 1965, pp 280-289.

AIR/FPD/MT-24-115-68 AD 679 540

Sci-Phys  
Feb 69

372,932

A Study of the Turbulent Boundary Layer  
Formed on the Streamlining of a Plate by  
a Flow of a Compressible Gas With Heat  
Transfer, by L. H. Zysina-Molozhen,  
I. N. Soskova, 9 pp.  
RUSSIAN, per, Terlo- i Massoperenos,  
Vol 2, 1965, pp 305-312.  
AIR/FTD/HT-23-775-67

Sci/Phys  
Jan 69

353,215



Application of the Theory of Similarity  
in a Statistical Analysis of the  
Anisotropy of Turbulence, by  
S. G. D'Yakonov, A. G. Usmanov, 7 pp.  
RUSSIAN, per, Teplo- i Massoperenos,  
Vol 2, 1965, pp 359-376.  
AIR/FTD/HT-23-775-67

Sci/Phys  
Jan 69

353,246

The Use of Integral Relationships for an Approximate Solution of Problems in Fluid Mechanics and Heat Exchange During Propagation of Jets of Incompressible Fluid Along a Flat Wall, by N. V. Kliyantov, 13 pp.  
RUSSIAN, per. Teplota i Massopereenos, Vol 2, 1965, pp 420-432.  
AIR/FTD/IT-23-970-67

Sci-Phys  
Nov 68

353,680

Heat Exchange During Condensation of Potassium and  
Sodium Vapor, by V. I. Subbotin, N. N. Ivanovskiy.  
RUSSIAN, per, Teplota i Massopereenos, 1966, 10 pp.  
P100247568-V  
FTD-10-24-54-68

Sci-Phys  
Oct 68

369,384

Some Aspects of Boundary-Layer Theory  
with Physico-chemical Transformations  
on the Surface of a Body, by  
Ye. P. Vaulin.  
RUSSIAN, per, Teplo i Massoperenos, Vol  
2, 1966, pp 198-208.  
Dept of Navy/APL/JHU T-2284

Sci-Phys  
Aug 69

388,706

Investigation of the Structure of  
Surface of Burning of Model Mixtures  
of Solid Fuels, by P. F. Pokhil,  
L. D. Romodanova, 7 pp  
RUSSIAN, per, Teploty i Massoperenos.  
Vol 4, 1966, pp 183-190  
P100164768-V  
FTD-MT-24-248-67

Sci-Chemistry  
Sep 68

364, 146

Self-Ignition and the Induction Period  
of a Drop of Liquid Fuels, by  
F. A. Agafonova, A. A. Gurevich.  
RUSSIAN, rpt, "eplo- i Massoperenos,  
Vol 4, 1966, pp 241-251.  
AIR/FTD/MT-24-130-68 AD 679 516

Sci-Prop & Fuels  
Feb 69

372,930

Mass Exchange During Burning of Condensed Mixtures,  
by H. H. Bakhtan, 7 pp.  
RUSSIAN, per, Teploty Massopereenos, Vol 4,  
1966, pp 252-258. P100173968-V  
FTD-MT-24-210-67

Sci/Chem  
Aug 68

364,801

The Disturbance of Normal Conditions  
of the Burning of Porous Charges of  
Explosive Substances, by V. K. Bobolev,  
I. A. Karpukhin, 7 pp  
RUSSIAN, per, Teplo- I Massoverenos,  
Vol 4, 1966, pp 273-278  
P100164768-V  
FTD-MT-24-248-67

Sci-Prop/Fuels  
Sep 68

364, 147



Calculation of the Temperature Fields in a Blade  
of a High-Temperature Gas Turbine During Internal  
Cooling, by L. M. Zysina-Moloshen & M. P. Polyak.  
RUSSIAN, per, Teplo-i Massoveranos, Vol 6, 1966,  
pp 261-271.  
\*NASA TT F-11,183

Sci/Prop & Fuels  
Mar 68

Heat Transfer from the Gas to the Blade Surface  
Under Realistic Conditions of Gas-Turbine Operation,  
by Ye. R. Plotkin & Ye. I. Molchanov.  
RUSSIAN, per, Teplo-i Massoperenos, Vol 6, 1966,  
pp 284-290.  
\*NASA TT F-11,448

Sci/Phys  
Mar 68

An Ultrasonic Technique for Determining  
the Thermodynamic Properties of Argon  
at Low Temperatures, by I. S. Radovskii.  
RUSSIAN, per, Teplota-Massoperenos, Vol 7,  
1966, pp. 152-63.  
ENLL Ref: RTS 4923

Sci-P~~Phys~~  
July 69

~~377,730~~

387 430

L. M. Zysina-Molozhen

Study of heat exchange and drag during a turbulent flow  
of compressible gas. 17 pp.

RUSSIAN, Teplo- i Massoperenos, Vol 1, 1968, pp 86-100

AIR/FTD-MT-24-1525-72

jan 73

Heat and Mass Transfer, (Collection of Articles),  
by A. V. Lykova, B. N. Gurl'skogo, et al. 491 pp.  
RUSSIAN, Ek, Teploto- i Massopereenos, Vol 2, 1968,  
pp 1-397.  
AIR/PTD/ITT-23-819-68

sci/physics  
nov 69

397,010

Heat and Mass Transfer, by A. V. Lykova,  
B. M. Smol'kov. 1-243 pp. Part 1 of 3  
RUSSIAN, IN, Toplo- i Massoperecheni, Vol 7,  
1968, pp 1-609.  
AIR/TTD/IMP-23-820-68 Part 1 of 3

sci/physics  
jan 70

399,860

Heat and Mass Transfer, by A. V. Lykova,  
B. M. Shol'kovo. 244-462 pp. Part 2 of 3  
RUSLEN, Ek, Aplo- I zhenskios, Vol 7,  
1968, pp 1-609.  
AIR/MD/IT-23-820-68 Part 2 of 3

sci/physics  
jan 70

399,661

Heat and Mass Transfer, by N. V. Lykova,  
B. M. Smol'kov. 463-649 pp. Part 3 of 3  
RUSSIAN, bk, Apple- I Massoperanos, Vol 7,  
1968, pp 1-609.  
AM/MED/IR-23-820-68 Part 3 of 3

sci/physics  
jan 70

399,862



Numerical Solutions for Problems of Heat Transfer in a System of Solids With Moving Boundaries and in a Stream of Viscous Liquids, by N. I. Nikitenko, 8 pp.

TEPLO I MASSOPERENCS, Vol 8, 1968.

ARM/FSTC/HT-23-1018-72

Feb 73

Convective Heat Transfer in the Presence of  
Heterogeneous Catalytic Reactions,  
by V.P. Motulovich, 9 pp.  
RUSSIAN, per. Teplo-i Massoperenos, Vol 10,  
1968.  
ACSI-K-2076  
FSTC-HT-23-1495-72

May 72

Request translation check 5-3-12 BR69-PT-4427

Proceedings of Heat and Mass Transfer Conference  
various authors  
collection: "Teploto-i Massoperenos. Vol 10, Minsk,  
1968. 423 pages

*In process as*

*HT-23-252-69C*

*neg  
18 Mar 69*

HEAT AND MASS TRANSFER DURING THE ATOMIZATION  
OF LIQUID. SURVEY PAPER

LEONCHIK, B.            LANGUAGE=RU    COUNTRY=UR

TEPLU-I MASSOPREKNS, VOL 11, MINSK, 1969, PP  
899-902

FSTC-HT-23-2550-72

Use of Methods of Quasistable Regular and Stable Modes  
for Determination of Heat Transfer Coefficients at High  
Temperatures, by V. G. Petrov-Denisov, 6 pp.  
RUSSIAN, per, Teplo-Massoperenos, Dokl Vses Soveshch,  
No 7, 3rd, 1968, pp 369-375.  
ARM/FSTC/HT-23-1055-72

Aug 72

Electrochemical Measurement of Friction  
in a Flow of Trickleing Liquid, by  
V. P. Popov, 7 pp.  
RUSSIAN, per, Teplo i Massoperenos, Dokl.,  
Vses. Soveshch, 3rd, Vol 10, 1968,  
pp 108-114  
AIR/FTD-HT-23-1213-71

Mar 72

REQ. IN CHECK 5-8-6 (083)  
LAMINAR AND TURBULENT BOUNDARY LAYERS  
STUDIED DURING HIGH INJECTION RATES  
MOTULEVICH V P  
UR: TEPLA-MASSOPERENDS, DOKL. VSES.  
SOVESHCH. 3RD, 1968, nr 10, pp 137-148

*In process as*

*HC-23-72-0024*

*Negative  
10/8/71*

Heat and Mass Transfer in an Electromagnetic  
Field, by Ye. Ya. Blum, N. V. Zake, et al. 256 pp.  
RUSSIAN, bk, Тепло- и Массообмен в Электро-  
магнитном Поле (Akademiya Nauk Latvyskoy SSR,  
Fiziko-Energeticheskiy Institut), 1967,  
ADU/PTD/IN-23-255-69

sci/physics  
feb 70

401,146



The Nature of Electric Field Effect on Heat  
Exchange in Fluid Dielectrics, by  
S. S. Kravets. 7 pp.  
RUSSIAN, bk, Teploty Massobmen v Khimicheskoy  
Tekhnologii, 1957, pp 110-115.  
NASA TT-F-13560

*77TC-72-11342-20M*

July 71

Heat and Mass Transfer, Volume I - Convective  
Heat Exchange in a Homogeneous Medium.

RUSSIAN, bk, Tepla- i Massopereenos, Konvektivnyi  
Terloobmen v Odnorodnoi Sredy, 1965.

CFTSI

NASA TT F-431

NSF TT 67-51367

Sci-Mech, Ind, Civil and Mar Engr  
Jan 68

348,378

Turbulent Nonisothermal Flow of a Viscous Com-  
pressible Gas in the Initial Segments of  
Axisymmetric and Plane Diverging Channels with  
a Zero Pressure Gradient, by Ye. Ye. Solodkin,  
A. S. Ginevskiy, 18 pp.  
RUSSIAN, per, Teplo- i Massopereenos. T. 1:  
Konvektivnyy Teploobmen v Odnorodnoy Srede,  
No 1, 1965, pp 189-202. P100158168-V  
PTD-KT-67-250

Sci/Phys  
Aug 68

361.412

Heat and Mass Transfer in Non-Newtonian Fluids,  
by A. V. Ilykova.

RUSSIAN, bk, Teplo-i Massobmen v Nenyutonovskikh  
Zhidkostyakh, 1968, pp 1-267.  
REF ID: A66243

Sci/Phys  
Aug 68

REQ TR CHECK

23-02-24

TBX9

HEAT AND MASS TRANSFER OF CAPILLARY POROUS  
SOLIDS IN FLOWING RAREFIED GAS  
LYKOV A V; VASILYEV L L  
UR: TEPLO-MASSOOBMEN NIZK. TEMP. 1970,  
pp 5-24

*Process in as*

*MT 72-24-0879*

*Negative  
8 Mar 73*

(BNL-tr-458) EFFECT OF NONUNIFORM HEAT  
FLUX ALONG THE CHANNEL LENGTH ON THE CRITICAL HEAT  
FLUX FOR BOILING POTASSIUM IN TUBES. Alad'ev, I. T.;  
Gorlov, I. G.; Fedynskii, O. S. Translated by S. J. Amoretty  
(Brookhaven National Lab., Upton, N. Y.), from pp 5-9 of Teplo-  
Massopereenos v Odnno-i Dvukh Sredakh, Izdatel'stvo Nauka,  
Moscow, 1971. 11p. Dep. NTIS.

25

26 heat transfer; translations 27 30M

28 MN-38 29 P NSA

Heat Transfer in a Reacting Porous Body During  
Filtration of a Gas, by G. A. Fateyev, 16 pp.  
RUSSIAN, per, Teplo-i Massoobnen Pri Fazovykh i  
Khimicheskikh Prevrashcheniyakh, 1968, pp 100-113.  
FTD-MT-24-1223-71

Aug 82

Heat Transfer Between Bodies of Different  
Shapes with a Turbulent, by V. K. Shchitnikov.  
RUSSIAN, per, Teplo-i Massobmen tel a  
Okruzhayushchey Gazovoy Gredov,  
Institut Teplo-i Massobmena ANBSSR,  
1965, pp 86-111.  
\*PTD MI 67-74

Sci-Phys  
Jun 67



Interferometric Measurements of Mass Transfer  
in a Turbulent Boundary Layer Through a Permen-  
ble Surface, by L. A. Fayngol'd.  
RUSSIAN, por, Teplota i Massoobmen Tsel's Okruz-  
hayishey Gazovoy Sredoy, 1965, pp 123-129.  
NASA TT F-11,025

Sci-Phys  
Aug 67

338,714