

Steady-State Oscillations in a Circuit With
Nonlinear Capacitance of a p-n Junction, by
V. K. Dushenko, 8 pp.

RUSSIAN, per, Radio i Elek, Vol IX, No 1,
1964,

IEEE

Sci
Sept 64

267, 268

Reaction of 2,4-Disulfobenzaldehyde
Polyvinylacetal with Gelatin, by D. A.
Dusheiko, N. A. Petrova, Yu. B. Vilenski,
10pp.

RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi F
Fotografii i Kineematografii, Vol 9, No 1,
1964, pp 14-18.
CFBTI TT-64-20089.

D. A. Dusheiko

320,637

Sci - Chemistry
Mar 67

Leptospirosis of the Canicola Type in one of the
Districts of Rostov-on-the-Don, by T. I. Yanovich,
A. G. Bliznichenko, L. V. Saburina, S. A. Matibovskiy,
A. I. Berkovich, I. P. Dushavin, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXVIII, No 2, 1957, pp 100-104.

Pergamon Inst

Sci - Med
Jan 59

79,173

Microwave Plasma Diagnostics, by L. A. Dushin,
V. I. Kuznetsov, et al, 6 pp.

RUSSIAN, EN rpt, First Conference on Plasma Physics
and the Problem of Controlled Thermonuclear
Reactions, 1962. 9208256

AKB-Barwell-Tr-925

Sci - Eng Nucl Sci

Jun 63

234,272

Microwave Plasma Diagnostics, by L. A.
Dushin, V. I. Kononenko, et al, 12 pp.

RUSSIAN, rpt, First Conference on Plasma
Physics and the Problem of Controlled
Thermonuclear Reactions, Kiev, 1952. 9208256

*AERE, Harwell 1725, 925

Sci - Phys
Nov 62

76
The Radio Acting Microwave Interferometer
with Direct Phase Reading, by
V. G. Grigorenko, L. A. Dushin, 10 pp.
UKRAINIAN, per, Ukrayins'kyi Pis'movyy
Vol 11, No 11, 1966, pp 1188-1191.
P10012566
FTD-RT-66-272

L. A. DUSHIN

Sci - Navigation, Communications,
Detection & Countermeasures
Feb 67

318,700

A Method of Determining Electron Density Dis-
tribution in a Plasma, by L.A. Dushin, V. I.
Kashchakov, et al. 2 pp.

RUSSIAN, Patent No. 167,524, 1961, 1 pp.

PH0012760

FTI-IT-65-748

L. A. Dushin

Sci/Physics

Ref 60

309,343

On the Relations Between Cross Sections Which
Result From the Hypothesis of Isotopic Invariance,
by N. Dushin, I. Shmashkevich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,
No 5, pp 801-

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 1

Sci - Phys

51, 621

Aug 57

Production of Two π Mesons in Collisions Between π Mesons or γ Quanta with Nucleons or Deuterons, by N. V. Dushin, 4 pp.

RUSSIAN, per, Zhur. Eksper i Teoret Fiz,
Vol XXXV, No 2(8), 1958, pp 401-407,
401-

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 2

Sci - Phys

84,147

Apr 59

The Relations Between Cross Sections for Multiple
Pion Production, by N. V. Dushin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,
No 6, pp 977-

Amer Inst of Phys
Sov Phys "Doklady"
Vol X, No 1

Sci - Phys

Aug 57

51, 630

On the Relations between the Cross Sections for
Multiple Production of Pions, by R. V. Dushin, 4 pp.

RUSSIAN, Izv. Zhur Eksper i Teoret Fiz, Vol XXXIV,
No 4, 1958, pp 916-921

Amer Inst of Phys.
Sov Phys - JETP,
Vol VII (34), No 4

Sci - Phys

Nov 58

76,974

THE RATE OF DECOMPOSITION (BURNING) OF POLYMERS
IN A HIGH-TEMPERATURE GASEOUS MEDIUM, BY
YU. A. DUSHIN, 6 PP.

RUSSIAN, PIER, INZHENERNO-FIZ ZHUR, VOL IV,
NO 10, 1961, PP 123-126.. 9677928

FTD-TT-62-716

SCI - CHEM
AUG 62

207,966

NY-5083

BOOSTING THE PRODUCTIVITY OF CABLE LAYERS
IN SETTING UP LONG DISTANCE CABLE LINES,
BY G. M. GUSHINA, 25 PP.

RUSSIAN, PER, VESTNIK SVYAZI, NO 2, 1957.

JPRS 7014

SCI

NOV 61

173,148

The Determination of Doses With Crystal Violet, by
I. A. Klyam, E. E. Dudina, 5 pp.

RUSSIAN, per, Zhurnal Lab, Vol XXVII, No 6, 1961,
pp 644-649.

RIA

Sci
May 62

194,682

New Fluorometric Method for Determining
Indium, by I. A. Blyum, T. K. Dushina, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 2,
1959, pp 137-139.

Instru Soc of Amer

Sci

113,481

Dushkin, P. K., Lomonosov, E. G., and Lumin, Yu.
NUMERICAL FORECASTING OF HUMIDITY, CLOUD-
INESS AND PRECIPITATION BY MEANS OF A COM-
PUTER (Opyt Chislennogo Prognoza Vlashnosti,
Oblachnosti i Osadkov na Vychislitel'noi Mashine) tr.
by David Kraus. Mar 61 [12]p. 6 refs.
AmMetSoc-T-R-347++.

Order from OTS or SLA \$1.60

61-23706

Trans. of Meteorologiya i Gidrologiya (USSR) 1960,
no. 12, p. 3-10.

An abstract translation is available from OTS or SLA
\$1.10 as 61-19626, AID-61-24, 3 Mar 61.

DESCRIPTORS: *Weather forecasting, *Computers,
*Numerical methods and procedures, Humidity, Clouds,
Precipitation.

For abstract see Technical Translations 6: no. 3, 1961.

(Earth Sciences--Meteorology, TT, v. 6, no. 6)

61-23706

- I. Dushkin, P. K.
- II. Lomonosov, E. G.
- III. Lumin, Yu.
- IV. AmMetSoc-T-R-347
- V. American Meteorological
Society, Boston, Mass.
- VI. Contract AF 19(604)6113

Office of Technical Services

S-184/60

(NY-3816)

Vertical Flows in the Troposphere, by I. K.
Dushkin, Ye. G. Lomonosov, 14 pp.

RUSSIAN, per, Met i Gid, No 1, 1960, pp 3-9.

JPRS 5378

Sci - Geo, Meteorology

Aug 60

1224, 118

Forecasting Cyclo- and Anticyclogenesis Using a
Computer, by P. K. Dushkin, E. G. Lomonosov,
M. H. Tatarskaya, 9 pp.

RUSSIAN, per, Mat 1 Gid, No 6, 1959, pp 11-16.

CTA 654233

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics

Feb 60

107626

Characteristics of Experiments With Automats, 101
by V. A. Dushkiy, 10 pp.
RUSSIAN, per, Problemy Kibernetiki,
No 11, 1964, pp 257-262. P100091067
FID-IT-66-242

V. A. Dushkiy

Sci - Mech, Industrial, & 511
& Marine Engr
Apr 67

322,060

Rabbit Virus Vaccine From the Native Strain
of the Swine Plague Virus, by P. S. Solomkin,
R. V. Dushuk.

RUSSIAN, Per, Veterinariya, Vol XXXVIII, No 8,
1951, pp 33-36. 9096834

USIA Te V-1756

184, 463

Sci - Med

Feb 62

Glass to Cover Vacuum Seals, by W. Tusing, 35 pp.

GERMAN, per, Telefunken-Z., Vol XXVI, No 99,
Mar 1953, pp 111-120.

SIA Tr 57-1369

Sci - Tech

67,913

62-14219

I. Düring, W.

Düring, Werner.
A NEW CHROMIUM-FREE, PLATEABLE Fe-Ni
ALLOY AS A SEALING ALLOY FOR LEAD GLASS.
9 Sep 60, 6p. (10 figs. omitted) 3 refs.
Order from SLA \$1.10

62-14219

Trans. of Glastechnische Ber[ichte] (West Germany,
1960, v. 33, no. 7, p. 257-261.

DESCRIPTORS: *Glass, *Iron alloys, *Nickel alloys,
Plating, Seals, *Electron tubes.

Sealing alloys, free from chromium, capable of being
faultlessly electroplated are used for the glass-metal
envelopes of microwave tubes of soft glass. The new
Fe-Ni-Mn alloy (47/48/5) satisfies these requirements
and its expansion coefficient is closer to that of the
commonly used lead glass than the chromium-free
Fe-Ni alloys used hitherto. (Author)
(Materials: Ceramics, TT, v. 8, no. 10)

0226212

Office of Technical Services

Vacuum Tight Glass-to-Metal Seals for Electrical
Engineering, by Werner Dusing, 19 pp.

GERMAN, per, Glasstechnische Berichte, Vol. XXVI,
No 8, 1953, pp 232-238.

SLA 60-14033

Sci

OTS, Vol IIX, No 7

Nov 60

133,100

Determination of Sulphur in Nickel by Combustion
in a Current of Oxygen, by W. Dusing, K. Winkel-
mann, 5 pp.

GERMAN, per, Z Anal Chem, Vol CXIII, 1938, pp 419-
422.

SLA Tr 57-941

Sci - Chemistry
Oct 67

54, 101

New Titration Determination of the N-alkylamine
Derivatives of Phenothiazine, by G. Duszinsky,
O. Iliskova, 17 pp.

CZECH, per, Chemické Zvesti, Vol. XII, No 4,
1956, pp 213-220.

NIH 6-37-61

175,976

Sci - Med

Dec 61

RESULTS OF FORECASTING THE PRESSURE FIELD AT THREE
LEVELS USING A CALCULATING MACHINE, BY P. K.
DUSKIN, E. G. LOMONOSOV.

RUSSIAN, PER, TRUDY TSENTRAL INST PROGNOZOV,
VOL CVI, 1960, PP 29-31.

MLL N. 3844

SCI - GEOPHYS

OCT 12

214,771

Automation and Mechanization of Heat Treatment of Small Parts, by V. A. Dushman.

RUSSIAN, per, Metallov i Term Obrab
Metallov, No 5, 1960, pp 7-10.

HB 5393
*Acta Metallurgica

Sci - Engr
May 62

196, 30.3

First Discoveries of Stillwellite in the USSR,
by V. D. Dumatov, A. F. Yefimov, et al.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CLIII, No 1-6, Nov, Dec 1963, pp

Amer Geol Inst

Sci
Jul 65

Further Investigations on Metabolic-Physiological
Relations between Rhynchotes and their Host Plants,
by F. Inspiya.

GERMAN, per, Biol Bundesanstalt Land u Forstwirtsch
Mitt, Vol LXXX, 1954, pp 155-162.

Natl Res Coun
C2310

Sci

71, 237

Aug 58

Carbohydrate Conversion in the Digestive Tract of
the Rhynchota; a Contribution to the Problem of
Material Interrelationships Between Sucking Insects
and their Host Plants, by F. Duspiva.

GERMAN, per, Mitt.Biol. Zentr. Anst. Berlin, Vol 75,
1953, pp 82-89.

REDSIR/Ref. No. 670

F. DUSPIVA

Sci -
July 1967

333,973

The Population of Western Tonkin and
Upper Laos, by Dussault. 40

FRENCH, bk, Cahiers de la Societe de
Geographie de Hanoi, 1924, pp 3-47.

ACSI J-5909

ID 2204019268

Far East
Sec
May 69

380,866

Hydrographic Researches on Lake Lemna, by Bernard
Dussort, 30 pp.

FRENCH, per, Annales de la Station Centrale d'Hydrobiol
Appliquées, Vol II, 1948, pp 187-206.

Fisheries Res Board of Canada
Biol Station
Nanaimo, B.C.

Sci

Feb 64

The Struggle of the Shipbuilding Industry for High
Scientific and Technical Achievements, by A. Dussan,
14 pp.

GERMAN, per, Schiffbautechnik, Vol X, No 6, 1960,
pp 273, 274.

JPRS 9179

EEur - Germany

Econ

Jun 61

153,791

Double Fluorides of Uranium Hexafluoride, by
H. Martin, A. Albers and H. P. Dust, 15 pp.

Full translation.

GERMAN, per, Z. Anorg Allg Chem, 1951, pp 128-138.

AEC Tr 1195

Scientific - Chemistry

A-78

"The Cellular Excretion" Phenomenon in
the Small Intestine of Mice in the Course of
the First Days of Extrauterine Life, by A. P.
Dustin, 5 pp.

FRENCH, par, Archives de Zoologie Experimentale
et Generale, Vol LXXV, Nov 15, 1933, pp 353-358

NIH Tr 9-13-60

Sci - Biol.

Nov 60

153,329

Dustin, J. -P., Wodon, C. and others.
ISOLATION AND PAPER ELECTROPHORESIS OF
THE GONADOTROPIC HORMONE OF HUMAN
URINE (Isolément et Electrophorèse sur Papier de
l'Hormone Gonadotrophique de l'Urine Humaine).
21 Oct 60, 5p. (2 figs. 17 refs. omitted).
Order from SLA \$1.10

61-10930

Trans. of Annales d'Endocrinologie] (France)
1952, v. 13 [no. 4] p. 687-690.

DESCRIPTORS: *Electrophoresis, *Hormones,
*Testes, Urine, Separation.

NIH

1-16-60

(Biological Sciences--Physiology, TT, v. 6, no. 2)

61-10930

- I. Dustin, J. -P.
- II. Wodon, C.

Office of Technical Services

Analysis of the Radio-Mimetic Effects of 4-Aminopteroyl Glutamic Acid (Aminopterin) by Means of Colchicine, by G. Grampa, P. Dustin, Jr., 22 pp.

FRENCH, per, Revue Belge Pathol Med Exp, Vol XXII, No 2, Sep 1952, pp 113-125.

WH 3-21-61

Sci - Med
May 61

150,572

Associated Use of Aminopterin and Colchicine.
Experimental Studies on the Mouse Intestine, by
G. Grampa, P. Dustin, Jr., 17 pp.

ITALIAN, per, Tumori, Vol XXXIX, No 1, 1951,
pp 63-71.

WH 3-22-61

Sci - Med
May 61

150,601

(3F-1855)

Obtaining More Than 30 Percent Growth in Steel
Production Through Constructing and Rebuilding
Equipment, by Ludwik Duszynski, 4 pp.

POLISH, per, Przegląd Techniczny, No 19, 10 May 1961,
p 6.

JPRS 12118

EEur - Poland

Econ

Feb 62

184,922

Fiscal Policy and Investments on Private Farms,
by Jan Dusza, 14 pp.

POLISH, per, Wies Wspolczesna, No 9, 1964,
pp 23-36.

JPRS 27734

EBur-Poland
Econ
Jan 65

272,362

SHAFT DRILLING IN POLAND, BY WACLAW DUSZA,
16 PPL

POLISH, PER, RUDY I METALE NIEZELAZNE, VOL VII,
NO 9, 1962, PP 423-428.

JPRS 16624

EEUR - POLAND
ECON .
DEC 62

218,353EAS

Co-ordination Number and Structure of Liquid
Metals, by Yu. I. Ditschak, 3 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX,
No 6, 1960, pp 888-891.

PP

156, 163

Sci

Jun 61

Self-Contained Breathing Apparatus of Today,
by Duthoit, 24 pp.

(copy)
FRENCH, P. J., Central Committee of French Coal
Mines, Technical Publication No 331, Dec 1937.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 124

Sci - Engr; Med

May 59

87,603

21
Perfecting the Economic Information System, by
D. Dutia, Tr. Dutia, 11 pp.
RUMAH, ser. Arizanta Contabil, No 5, May 1968,
pp 3-9.
JPRS 42,130

TR. DUTIA

31. Romania
Econ
Aug 68

382,865

Theory of Nonlinear Servomechanisms, by
J. R. Dutilh, 20 pp.

FRENCH, per, La Radio Francaise, May 1950,
pp 1-7.

NACA, N-41254

Scientific - Electronics
Mar 56 CTS/dex

TIL T-4699
31,525

**Theoretical Aspects of Effect of High Top
Pressure on the Operation of the Blast Furnace,
by F. Hieber, D. Dutilleul.**

**FRENCH, rpt, Paper Presented at the Journees
Internationales de Siderurgie in Luxembourg,
1-4 Oct 1962, pp 202-212.**

RISI 3028

**Sci - M/M
Aug 63**

342,192

(NY-6450/1A)

A Contribution to the Studies of the Growth of
Czechoslovak Sea Shipping, by JUDr et RNDr
Albert Dutka, 7 pp.

CZSCH, par, Doprava, No 3, 1961, pp 96, 97.

JPRS 10184

EDar - Czechoslovakia

169, 78.0

Boon

Oct 61

An Analysis of the Execution of the Plan for Geological Work in 1954, by Alojzy Dutkowi, 23 pp.

POLSK, no per, Przegląd Geologiczny, No 6, Warsaw, Jun 1955, pp 261-267.

CIA/FID U-8278

35,927

ESur - Poland

Sci - Engineering, Geophysics

May 56/dex

Results of the Investigations of Cnp-Shaped
Ferrite Core Inductor Design Optimisation
by H. Dutkowski, L. Olech, 20 pp.
POLISH, per, Przeglad Elektrotechniczny
No 5, 1964, pp 229-234.
ACSI 1-9512 A
ID 2204019144

H. Dutkowski

Sci-Elect
Apr 66

298,679

75
The Possibilities of Stable L-C
Ferrite Core Filter Design, by
H. Dutkowski, Leszek Olech, 20 pp.,
POLISH, per, Przegląd Elektroniki,
No 5, 1964, pp 237-244.
ACSI 1-9512 B
ID 2204019166

H. Dutkowski

Sci-Elect
Apr 66

298,681)

A Study of the Possibility of Employing Random
Functions of Non-Reversible Processes in
Evaluating the Stability of L-C Filters, by
Hieronim Dutkowiak, 4 pp.

POLISH, per, Przegląd Telekomunikacyjny,
Vol XXXIII, No 10, Oct 1960, pp 313-316.

ACSI H-8862-J
ID 2164454

Sci-Electronics
Jun. 61

154,717

Contribution to Graphical Calculus of Pressure
Losses in High-Pressure Lines, by C. Iutoit

GERMAN, per, Schv ver Gas u Wasserrach, Monats-
Bulletin, Vol XXIX, 1949, pp 49-62.
5

B.I.A. Tr Pool

Scientific ~~Engineering~~
~~Aeronautics~~
CTS/DEX

14,301

Properties of Cyclo-Trimethylene-Trinitrosoamine,
by Louis Medard, Maurice Dutour, 5 pp.

FRENCH, per, Memorial Des Poudres, Vol XXXVII,
1955, pp 19-24. CIA 603324

Picatinny Arsenal Tr 14

Sci - Chemistry

53,363

Oct 57

On the Determination of the Impact Compression
Strength of Timber, by E. K. Ashkenazy, B. P. Datov,
G. M. Rubinshtein, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 9,
1958, pp 1125-1127.

Instru Soc of Amer

Sci

113, 388

Apr 60

Electron Optics of Probe Systems, by G. G. Dutov,
4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 6, 1961, pp 668-671.

CTT

Sci
Jul 62

205,355

FOR GREATER THRIFT AND ECONOMY, BY V. DJTOV,
7 PP.

RUSSIAN, PER, KOMMUNIST VOORUZHENNYKH S. L.,
NO L6, AUG 1962, PP 31-35.

JPRS 16500

USSR
ECON, MIL
X DEC 62

218,142

(SF-1850)

UNIT MONETARY FUNDS, BY V. N. DUTOV, 4 PP.RUSSIAN, ^{NP}~~PER~~, KRASNAYA ZVEZDA, 31 MAY 1962,
P 3.

JPRS 14644

USSR
MIL
JUL 62

205,661

Concerning Aberration of Electron-Optical Systems,
by P. P. Kas'yankov, K. P. Durova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXV,
No 6, 1961, pp 665-667.

CTT

Sci
Jul 62

205,354

On a Case of Hemorrhagic Pericarditis, by Courbin,
Dutova, Demingent, 9 pp.

FRENCH, Zper, J.de Med de Bordeaux et du Sud-Ouest,
Vol CXXX, No 8, Aug 1953, pp 1007-1011.

NIH

Scientific - Medicine

32,217

Jun 56 CTS

Mongoloid Twins, by J. Dutrey.

SPATIAL, per, Dia Med, No 34, 1962, pp 1340-1342.

HSW HIR

1-1-69

J. DUTREY

Scl/BAM
Mar 69

377,672

Resurfacing and Widening Old Concrete Carriageways
With Concrete, by P. Dutron, J. Huberty.

FRENCH, Proceedings From National Belgian Roads
Conference, No 9, 1959.

SLA 61-20028

Sci
Mar 62

Vol VII, No 2

Resurfacing and Widening Old Concrete Carriageways
With Concrete, by P. Dutron, J. Huberty.

FRENCH, Proceedings From National Belgian Roads
Conference, No 9, 1959.

SLA 61-20028

Sci
Mar 62

Vol VII, No 2

189,533

61-20263

61-20263

Dutrou, P.
RESTORING CONCRETE SURFACINGS TO THEIR
CORRECT LEVELS BY PRESSURE GROUTING AND
RESURFACING WITH CEMENT MORTAR. [1961]

23p. 1 ref.

Order from SLA \$2.60

61-20263

Trans. from National Belgian Roads Conference (no. 9)
1959. [Proceedings].

DESCRIPTORS: *Roads, Construction, Materials,
Cements, Mortar, Concrete, Tests, Civil
engineering, Belgium.

(Engineering--Civil, TT, v. 7, no. 1)

I. Dutrou, P.

154250

(Office of Technical Services)

The Hilse-Cembureau Method for Testing the
Strength of Cement, by R. Dutron. UNCL

GERMAN, per, Zement-Balk-Gips, No 2, 1960,
pp 64-70.

NSA 1722

(L3. 10. 04.)

Sci - Min/Mat
Jun 60

117,245

How to Choose a Concrete Composition. Continuous or Discontinuous Grading. High-Strength Concretes, by R. Dutron.

INURM, per, Tech Wetenschap Tijdschr, Vol X, 1951, pp 222-241.

INSDOC-T1548

Sci
Aug 58

20 435

(DC 4859)

Technical Possibilities of Reducing Standards in
Piping for Ships and Their Economical Effects, by
W. Dutschke, 5 pp.

GERMANY, per, Schiffbautechnik, Vol X, No 9, 1960,
pp 443-447.

JPRS 6521

EUR - Germany

Econ

Jan 61

138, 701

Installations for Studying Variations in
the Electrical Properties of Semiconduc-
tors in a Nuclear Radiation Field, by G.
Glants, N. Dutsoski, 14 pp.

RUSSIAN, rpt, Symposium on Radiation Damages
in Solids and Reactor Materials, Venice,
7-11 May 1962, SM-25/10. 9069002

ABC Tr-5375

Sci - Nuc Phys
Dec 62

217,464

Article by Palme Dutt on MLF Plans.

RUSSIAN, np, Izvestiya, 30 Jan 64.

FBID

Feb 65

52
Splitting of a Serine-Specific
Transfer-Ribonucleic Acid Fraction
by T-Ribonuclease, by R. Dutton, et al.
GERMAN, for, Biochim Biophys Acta,
Vol 91, No 4, 1964, pp 573-583.
REF ID: A5-27-65

R. Dutton

Sci-Biol 6, 1964 Sci
May 65

278,305

Duvakin, A. N. and Letov, A. M.
ON THE STABILITY OF CONTROL SYSTEMS WITH
TWO CONTROLLERS. [1961] [11]p. 4 refs.
Order from OTS or SLA \$1.60 62-10185

Trans. of Prikladnaya Matematika i Mekhanika
(USSR) 1954, v. 18, p. 163-166.

Another trans. is available from OTS \$1.60 as
AD-264 153, STL-TR-61-5110-17, May 61, 12p.

DESCRIPTORS: *Control systems, Linear systems,
*Differential equations, Perturbation theory, *Func-
tions, Inequalities, Stability, Theory, Time, Motion.

An analysis is presented on the control system de-
scribed by a differential equation. The problem is to
determine the sufficient conditions for the asymptotic
stability of the trivial solution of the control system
for any finite initial perturbations. Details are given
on the construction of the Lyapunov function. Results
(Mathematics, T, v. 8, no. 10) (over)

62-10185

- I. Title: Lyapunov functions
- I. Duvakin, A. N.
- II.. Letov, A. M.

0226190

Office of Technical Services

On the Stability of the Motion of a Top With a
Gyroscope on an Absolutely Rough Horizontal Surface,
by A. P. Ivanov, 8 pp.

RUSSIAN, per, Inzhenernyy Zhurnal, No 1, 1963.

JPRS 19812

Sci

Jun 63

On the Stability of Stationary Motions of Single-Rotor
Gyroscopic Devices, by A. P. Duvakin, 13 pp.

RUSSIAN, per, Inzhenernyi Zhur, Vol I, No 2, 1961,
pp 16-30.

CIA/FDD X-4859

Sci .. Phys, Engr.

Apr 62

192, 171

Precautions in Using Thermobalances,
by C. Duvall.
FIRESC, par, Anal Chim Acta, Vol XXII,
No 3, 1959, pp 311-314.
NADA 11 P-10, 211

C. Duvall

U. S. GOVERNMENT USE ONLY
Sci-Chem
JUN 66

316,427

Interpretation of the Infrared
Absorption Spectra of Metallic
Sulfates, Simple or Double, Anhydride
or Hydrate, by C. Duval, J. Lecomte.
GOVERNMENT USE ONLY
PREMIER, par, Comptes Rendus, Vol 227,
1948, pp 1153-1154.
#1153-1154, 7-11,799

C. Duval

Sci/Phys
Oct 68

Interpretation of the Infrared Absorption Spectra
of Metallic Sulfates, Simple or Double, Anhydrous
or Hydrate, by C. Donal, J. Leconte.

GOVERNMENT USE ONLY

PRESENT, par, Comptes Rendus, Vol 227, 1948,

pp 1151-1151.

NASA TT 8-11,799

C. Donal

Sci
Dec 60

368,07

Infrared Absorption Spectra and Modes of Vibration
of Metallic Salts, by C. Duval, J. Lecomte,
A. Delay.

FRENCH

USDA per
NC State College

Jan 59