

Yu. A. Gostintsev

On the Theory of Nonstationary Powder Combustion.
Stability of the Processes in a Semi-Infinite
Volume.

RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i
Tekhnicheskoi Fiziki, No 6, 1971, pp 65-73.
NTC 72-13502-21B'

Nov 72

V. N. Vilyanov

On the Question of the Stability of Powder
Combustion in a Semi-Infinite Volume.

RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i
Tekhnicheskoi Fiziki, No 6, 1971, pp 74-79.

NTC 72-13711-21B

Nov 72

Agency: Army/Admcom
REF ID: A71-00100-00-7016

#20

R-14270-B

27 Dec 71

Title: Study of the interaction between a stress wave and a stationary microcrack in elastoplastic and quasi-brittle materials.

Author: Sh. G. Volokhovich, et al.

Source: Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, pp. 100-105 (May-June 1971).

Language: Russian

Special Instructions: Please translate.

Edited draft only.

REQ TR CHECK

06-02-73

T160

INFLUENCE OF HEAVY IMPURITIES OF DETONATION
MODE OF CONDENSED EXPLOSIVES

ALTSHULER, L.V.; SPERANSKAYA, M.P.; RYAZANOV,
V.T.

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNIЧЕС-
KOY FIZIKI, NO. 1, 1972, pp. 122-125

Process in as

H573-23-0180

nen
2/13/73

Theory of Propagation of Ultrasonic Waves in
Polycrystals, by A. A. Usov.
RUSSIAN, per, Zh Prikladnoi Mekhaniki i Tekhnicheskoi
Fiziki, No 2, 1972, pp 66-73.
NAVY/APL/JHU-T-2673

Nov 72

Zhurnal Prikladnoi Spektroskopii

Full Translation by The Faraday Press, Inc

Beginning with Jan 1966 Issues

12 issues 1966

Zhurnal Prikladnoy Spektroskopiy will be done

Cover-to-Cover by Plenum Press instead of Faraday Press.

Nov 71

Zhurnal Prikladnoi Spektroskopii , Vol II, No 1,
Jan 1965.

Full tr by Varaday Press, Inc.

Available at LY Serials

Apr 67

Zhurnal Prikladnoy Spektroskopiy, Vol 2, No 5,
1965.

Full tr by Faraday Press

Oct 67

PP: 440-446 FTD-HH-66-417

Zhurnal Prikladnoy Spektroskopiy, Vol 2, No 6,
1965

Full tr by Faraday Press

Oct 67

7p 504-509-MTC-71-15034-20E

Zhurnal Prikladnoy Spektroskopiy, Vol 3, No 1,
1968.

Full tr by Faraday Press

Oct 67

pp. 9-13 CIA/FDD X-5738 FOUO
pp. 32-37 CIA/FDD X-5735 FOUO

Zhurnal Prikladnoy Spektroskopi, Vol 3, No 2,
1965.

Full tr by Faraday Press

Oct 67

pp. 105-108 FID-HT-66-522

**Zhurnal Prikladnoy Spektroskopi, Vol 3, No 3,
1965.**

Full tr by Faraday Press

Oct 67

pp. 225-229 FID-HI-66-310

pp. 279-282 FID-HI-66-310

Zhurnal Prikladnoy Spektroskopi, Vol 3, No 4,
1965,

Full tr by Paraday press

Oct 67

~~pp. 305-308 FTD-HT-66-522~~

pp. 311-319 Dept of Navy TR 4882 / ONI TR 2198
pp. 372-374 FTD-HT-66-490

A Study of Generation in Nonaxial Directions of
Neodymium Glass Samples of Cylindrical Form, by
V. I. Kalyshov, A. S. Markin, 11 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 3, No 5, 1965, pp 415-420. F100363467
PTD-HT-66-520

Sci-Physics
Jan 68

348,616

Phase Relationships in Light Modulation by
Means of the Linear Electrooptic Effect,
by L. M. Barkovskiy, F. I. Fedorov, 10 pp.
RUSSIAN, per, Zhur Prikl Spek, Vol III,
No 5, 1965, pp 449-455. P100090067
FTD-HT-66-657

Sci - Astron & Astrophysics
Apr 67

322,075

Measurement of the Electrooptic Effect
in Crystals, by Yu. V. Shalbin,
Yu. V. Pisarevskiy, 6 pp.
RUSSIAN, per, Zhur Prikl Spek, Vol III,
No 5, pp 463-467. PI00090067
PTD-IT-66-657

Sci - Astron & Astrophysics
Apr 67

322,057

Rotational Structure of the Spectrum for the
Generation of Hydrogen and Deuterium Molecules,
by I. M. Anyasev, 10 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 3, No 6, 1965, pp 510-515. F100048268-7
FTL-11-68-521.

Sci- at
Apr 68

352,109

ZHURNAL PRIKLADNOI SPECTROSKOPII
(Journal of Applied Spectroscopy-
monthly)
Translation begins with 1966,
Vol. 2, No. 1
Order from: The Faraday Press, Inc.
84 Fifth Avenue
New York, N.Y. 10011
1971: \$ 150.00/year USA and Canada
\$ 155.00/year elsewhere
\$ 35.00 single issues
Price of back volumes: \$ 150.00/year

Russ

The Transformation of a Beam During
Interaction of Light With a Substance,
by F. I. Fedorov, 10 pp.
RUSSIAN, per, Zhurnal Prikladnoy
Spektroskopii, Vol IV, No 1, 1966,
pp 58-63. P100062167
FTD HT 66-651

Sci-Phys
Mar 67

320,437

Experimental Comparisons of Various Methods
for the Determination of the Loss Parameter
in Neodymium-Glass Quantum Generators (Lasers),
by B. I. Stepanov.
RUSSIAN, per, Zhurnal Prikladnoi Spektroskopii,
Vol 4, No 2, 1966, pp 122-128.
NTC-71-15035-20E

Feb 72

Resonance Forced Combinational Scattering, by
P. A. Apanasevich and D. N. Ordabayev, 15 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii.
Vol 4, No 2, 1966, pp 134-141. F100051468-V
FTD-IT-66-87

Sci-Phy
Apr 68

352,085

System of Synchronization of Starting for Laser
with Pulse Quality, by V. A. Filipovich and Yu.
F. Morgun, 3 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 4, No 2, 1966, pp 179. F100051468-V
PTD-11-66-37

Sci-Phy
Apr 68

352,086

Determination of Losses in a Ruby Laser
With a Disadjusted Resonator, by
V. A. Pilipovich, L. A. Bogdanovskaya, 7 pp.
RUSSIAN, per, Zhur Prikl Spekt, Vol IV,
No 3, 1966, pp 236-239. P100130866
FTD-HT-66-492

Sci - Phys
Feb 67

318,7496

Improvement of Spectral Characteristics of
High-Resistance Thermal Radiation Detectors,
by L. S. Kremenchugskiy, V. S. Lyenko, 5 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 4, No 4, 1966, pp 298-301.
AIR/FTD/HT-23-1354-67

Sci-Phys
Jan 69

370,831

Absorption Centers Forming at Low Temperature in
Certain Glasses of Simple Composition, by
N. F. Orlov, N. A. Leko, 7 pp.
RUSSIAN, per, Zh Prik Spektroskopy, Vol IV, No 4,
1966, pp 323-326.
AEC/BNWL-Tr-62-71

Mar 71

Certain Results of Comparing OKG on a Ruby
With Plane Parallel and Confocal Resonators,
by N. A. Svetsitskaya, L. D. Khazov, 5 pp.
RUSSIAN, per, Zhur Prikl Spek, Vol IV,
No 4, 1966, pp 345-347. P100089967
FTD-HT-66-523

Sci - Elect & Elec Engr
Apr 67

322,061

On the Afterglow of Nitrogen and Air, by
S. A. Krapivina.
RUSSIAN, per, Zh. Prikl. Spektrosk, Vol 4,
No 4, 1966, pp 367-373. P911050007
AEC ORNL-tr-1494

Sci/Atmospheric Sci
Mar 67

318,600

On the Question of the Role of Ionic Diffusion
Process Concerning the Entry of the Constituent
Materials of a Specimen in the Spark Discharge
Zone, by I. A. Grikrit, 4 pp.

RUSSIAN, per, Zhur. Priklad, Spektrosk, No. 5,
1966, pp. 280-283

*CPSTI TT 70-57063

Sci/phys
Feb 70

The Use of the Widening and Shift of the
Spectral Lines of Cesium for Determining the
Concentration of Charged Particles and Neutral
Atoms in the Plasma of a DC Arc, by L. I.
Grechikhin and D. K. Skutov, 13 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 4, No 5, 1966, pp 381-388.
P100132968-V
FTD-HT-66-649

Sci-Physics
July 68

360,738

Comparison of Parameters of Ruby and Neodymium Quantum Generators with Pulse High Quality, by Yu. F. Morgun, V. A. Filipovich, 8 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii, Vol 4, no 5, 1966, pp 403-409.

F100267468-V

FTD-MF-67-12

Sci/Phys
Oct 68

366,951

Меню: описание органических
соединений в лазерах с
переходом в лазерах с
переходом, пер. журнал "Радио-
техника", Vol IV, No 5, 1960, 510-514.
Ref 00-119

001-000
000 00

515,499

The Structure of Light Beams Reflected by
the Leaves of Vegetation, by V. P. Rvachov,
S. G. Guminetskiy.

RUSSIAN, per, Zhurnal Prikladnoy Spektro-
skopiy, Vol 4, No 5, 1966, pp 415-421.

AIR/FTD/HT-23-369-68

Sci-Phys

Apr 69

379,853

Measurement of the Electron Temperature of a
Plasma from the Scattering of Laser Emission,
by A. A. Boshaposhnikov, A. Ye. Voloshin, 3 pp.
RUSSIAN, per. Zhurnal Prikladnoy Spektroskopii.
Vol 4, No 5, 1966, pp 458-459.
AIR/PTD/EE-23-717-67

Sci-Phys
Nov 68

353,702

Spectroscopic Investigation of a High Current
Discharge in the Air at Low Densities, by L. S.
Nikolayevskiy, A. F. Simonenko, 12 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 4, No 6, 1966, pp 485-490.
P100328767
FTD-HT-66-650

Sci-Physics
Dec 67

346,056

Influence of Parameters of Absorbing Medium On
Its Ability to Modulate the Quality of an OKG
Resonator, by E. G. Bersing and Yu. V. Naboy-
kin, 11 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 1, 1966, pp 31-35.

P100325467

FTD-HT-67-3

Sci-Physics
Dec 67

344,449

Influence of balanced luminescence on the
generation characteristics of solid-state
lasers, by A. T. Gajson.
Moscow, et, Zhurnal Prikladnoy Spektroskopii,
Vol. 15, No. 1, 1966, pp. 57-64. P100347907
CH-41-07-59

Sci- ucl sci
Jan 68

548,776

Thermal deformation of the resonator of a solid-
state optical quantum generator, by

Yu. A. Ivan'yev, N. A. Kozlov.

Abstract, per, Zhurnal Prikladnoy Elektroskopiy,

Vol 5, No 1, 1966, pp. 51-55. P100547807

EE-01-67-50

Sci-Eng

Jan 66

546,777

A Simple Method for Separating the Channel and
Torch of a Spark Discharge, by S. M. Rayskiy,
2 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 1, 1966, p 118. P100325467
FTD-HT-67-3

Sci-Physics
Dec 67

344,450

The Efficiency of Reflectors of Solid-State
Lasers, by Ye. N. Antoshina, N. A. Kozlov,

7 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 2, 1966, pp 167-171. F100263468-V

FTD-MT-67-03

Sci/Phys

Oct 68

366,969

Production of an Inverse Population by Mixing
of a Hot Plasma with a Cold Gas, by L. V.
Popov, 10 pp.
RUSSIAN, per. Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 2, Aug 1966, pp 188-194.
JPRS 42891

Sci-Physics
Oct 67

343,491

weakening of a Narrow Parallel Beam of Light in
A Turbid Medium, by A. F. Ivanov, I. K. Sherbaf,
8 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, no 2, 1966, pp 195-201. F100172668-V
FTD-H-24-215-67

Sci/Phys
Aug 68

304,775

Infrared Spectra of Alkaline Silicate
Glass, by I. Ye. Chebotarev, A. A. Pronkin,
13 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
1966. P100263968-V

PTD-11-24-64-68

2.15 100, 11-24-68

Sci/Phys
Oct 68

366,965

The Influence of Adjustment of the Ruby on
the Magnitude of the Threshold Pumping Energy
of a Laser, by R. I. Gintoft, A. A. Sarzhevskiy,
4 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, no 2, 1966, pp 259-260. F100263468-V
FTD-RI-67-03

Sci/Phys
Oct 68

366,970

Laser with Wide-Angle Radiation, by
A. A. Kaminskiy, 4 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, no 2, 1966, pp 261-263. F100263468-V
FTD-RT-67-03

Sci/Phys
Oct 68

300,971

Fiber Optic Image Converter, by G. N. Malyshev.
Yo. A. Ptitsyna. 7 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 3, 1966, pp 288-293.
AIC/FTD/IT-23-625-67

sci/electronics
mar 69

377,792

On the Time-Dependent Oscillation of a Ground
Ruby Laser, by R. I. Gintoft, A. H. Sarzhevskiy.
5 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopi,
Vol 5, No 3, 1966, pp 302-305.
AIR/FTD/FT-23-625-67

sci/physics
mar 69

377,793

The Thermal Conditions of a Shoathod Active Laser
Element, by N.R. Bolostotskiy, L.I. Kudryashev,
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 3, 1966, pp 506-509.
AIR/FTD/HT-25-625-67

sci/physics
mar 69

377,394

An Investigation of Thermodiffusion in Gases with
the Aid of Infrared Absorption Spectra, by
L. A. Borisavich, G. A. Zaluskiya. 10 pp.
ABSTRACT, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, no 3, 1966, pp 355-359.
ADP/PTE/IT-23-737-68

sci/physics
june 69

384,163

On a Theory of the Linear Electro-Optical Effect
in Cubic Crystals, by E. I. Fedorov,
L. M. Barkovskiy. 11 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 3, 1966, pp 371-380.
AIR/FTD/IT-23-625-67

sci/physics
MAR 69

377,795

Multilayer Dielectric Mirrors for Laser Re-
sonators, Made of Lead Oxide and Cryolite, by
Yo. G. Berzina, N. L. Kramarenko, et al. 3 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 3, 1966, pp 387-388.
AIR/FTD/AT-24-625-67

sci/physics
mar 69

377,796

High-Current Argon Laser, by V. I. Domin,
V. M. Klement'yov, et al. 3 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 3, 1966, pp 388-390.
AIR/FTD/IT-23-625-67

sci/physics
mar 69

377,797

Investigations of Light Source, Based on
Deceleration of Supersonic Jets of Pulsed Dis-
charge, by V. N. Shoko, L. I. Kiselevskiy.
8 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 4, 1966, pp 421-425.

ATIR/PTD/A-24-324-67

sci/physics
mar 69

377,887

Calculation of an optical quantum generator
[laser] with a bleachable shutter, by
A. M. Hanson, K. J. Brabovich, et al. 13 pp.
Russian, per, Zhurnal Prikladnoy Elektroskopii,
Vol. 9, no 4, 1966, pp 442-450.
SER/PAB/1-24-324-67

sci/physics
mar 69

377,888

On the Mechanism of Radiation Coloration of
Polycrystalline NaCl, by M.A. Elango, 3 pp.
RUSSIAN, per, Zhur. Prikl. Spekr. No. 4, 1966
pp. 535-537
*CFSTI TT 70-57066

Sci/phys
Feb 70

Properties of Bleachable Filters (Passive
Filters), by B. L. Gaganov, T. A. Lemitskaya.
11 pp
Russian, per, Zhurnal Prikladnoy Spektroskopi,
Vol 5, No 5, 1966, pp 595-603.
AD7147/ 1-24-213-67

sci/physics:
MAR 69

377,889

Passing of a Light Pulse Through a Nonlinear
Absorbing Medium, by V. G. Zayev, V. A. Shcheglov.
7 pp.
USSR, Ser, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 5, 1966, pp 604-608.
AN/PND/AT-24-213-67

sci/physics
Mar 69

377,890

Width of the Emission Spectrum of a Ruby Laser
with a Bleaching Liquid-Switch, by
S. I. Borovitskiy, Yu. A. Gryaznov, et al. 6 pp
ABSTRACT, per, Zhurnal Prikladnoy Spektroskopii,
vol 5, no 5, 1966, pp 609-613.
ALI/PD/A-24-213-67

Sci/Physics
Mar 69

377,891

Influence of Alkaline Earth Metal Mixtures
on the Velocity of Accumulation of Color
Centers in Alkaline-Earth Halide Crystals
Radiated with Protons, by V. N. Lisitsyn,
RUSSIAN, per, Zhur. Prikl. Spekr. Vol. 5
No. 5, 1966, pp. 683-685.
*CESTI TT 70-57067

Sci/phys
Feb 70

Particular Features of Generating Difference
Frequency on the Basis of Nonlinear Optical
Effects, by V. L. Strizhevskii,
RUSSIAN, per, Zhurnal Prikladnoi Spektroskopii,
Vol 5, No 5, 1966, pp 685-687.
NTC-71-15622-20F

Feb 72

Selection of the Geometrical Dimensions for Gas-
Laser Resonators, by D. V. Cordelev, Ye. P.

Ostanchenko.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopiy,
Vol 5, No 5, 1966, pp 687-689.

CIA # 99

1711 Special 398 67

Rept 68

366,435

Dependence of Laser Single-Pulse Characteristics
on Active Rod Length, by A. M. Samson.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 6, 1966, pp 718-723.

AIR/FTD/IT-23-1135-87

AIR
Sci-Physics
Feb 69

374,414

About the Distribution of the Electrical Field
in a Electroluminescent Condenser, by, Ye. K.
Tal'viste , Kh. Ya. Kalder.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii.
Vol 5, No 6, 1966, pp 751-755
FTD-3-302 26-0 68

Feb 69

374,275

An Investigation of the Reflection of Highly
Alloyed Gallium Arsenide in a Wide Spectral Range,
by M. B. Kagan, M. M. Koltun.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 5, No 6, June 1966, pp 770-773. AD 679 792
AIR/FTD/ITF-23-1621-67

Sci-Phys
Feb 69

373,011

Absorption Spectra of Single Crystals of
Lithium Hydride, by B. I. Dvinyaninov, by F.
F. Gavrilov, 12 pp.
RUSSIAN, per, Zh. Prikl. Spektrosk. Akad.
Nauk BSSR, Vol 6, 1967, pp 62-65. P911355567
ABC UCRL-Trans-10116

Sci-Chemistry
Nov 67

344,269

4(CTO 733) 6SPECTRUM OF SCATTERED LASER
RADIATION AND THE MEASUREMENT OF ELECTRON DENSITY
IN A PULSED PLASMA. 6Besshaposhnikov, A. A.; Voloshin,
A. E.; Kuchberiya, I. Kh.; Sidorov, V. P.; Simonova, N. V.
10Translated by J. B. Sykes for Culham Lab., Abingdon, Eng.,
from 15Zh. Prikl. Spektrosk.; 6: 172-5(1967). 1206p. 24Dep.
NTIS (U. S. Sales Only).

261Hydrogen (plasma); translations 27201

28MN-34 29NP NSA

Infrared and Ultraviolet Spectra and
Structure of Lead Oxide - Silicate
Glasses, by T. A. Sidorov.
RUSSIAN, per, Zhurnal Prikladnoi
Spektroskopii, Vol 6, No 1, 1967,
pp 98-101
NTC 72-60238-20F

July 72

No 2, 1967 ... VOL. 6,
MPTD-HT-23-1372-67
Available At LY Serials
PP 261-262-NTC 91-14938-20E
Oct 67
PP 254-256 APL/JHU T-2160
PP 254-256 LLL 72W-67 (108) 68-36-RULL

Study of infrared absorption spectra of poly-
esters based on bisphenols and formaldehydes during
their hardening and thermal degradation, by
L. I. Kovarova, V. V. Korotkiy, et al. 6 p.
Russian, or, Annual Publishing, Ekaterinburg,
no 4, 1967, pp 611-614.
SI/INT/R-23-24-69

sci/chemistry
oct 69

394,318

A Device for Measuring the Percentage of Emission
Fluctuation in the Band up to 2 GHz, by
A. P. Shilov, et al. 5 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 6, No 5, 1967, pp 674-675.
FTD 3-600

june 69

382,999

Use of Infrared Spectroscopy to Determine
Structural Changes in Ion-Exchange Strengthening
of Glass, by K. K. Yevstrop'yev & O. V. Zhukovskaya.
RUSSIAN, per, Zhurnal prikladnoy spektroskopii,
Vol 6, No 5, 1967, pp 680-681.
*FTD-HT-23-276-68

Sci/Phys
Apr 68

Determination of the Degree of Cellulose
Sulfate Substitution From Infrared Absorp-
tion Spectra, by G. A. Petropavlovskiy,
G. G. Vasil'yeva.

RUSSIAN, per, Zhurnal Prikladnoy Spektro-
skopiy, Vol 6, No 6, 1967, pp 823-826.

FTD-S-196 337-68

Dec 68

371,623

The Change in the Color of Polyvinyl Alcohol
During Heat Treatment (Dehydration and Formation
of Polyene Segments), by L. V. Shtimov, N. V.
Platonova, and K. R. Popov.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 1, 1967, pp 94-98.
FTD-3-323 333 63

Jan 69

374,341

Laser With Half-Wave Q -Switching Modulator Based
on an ADP Crystal, by V. N. Ovchinnikov, V. A.
Shamburov.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 1, 1967, pp 112-114.

FD-8-285

Jan 69

374,219

Perturbation Method for the Mathematical Treatment
of Open Resonators, by E. I. Vitkin.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 2, 1967, pp 187-192.

FTD-S-244 390 28

2000

374 REC

Utilization of a Laser Interferometer to Determine
the Electron Concentration in Plasma Jets, by
A. A. Ovsyannikov, L. S. Polak.
RUSSIAN, per, Zhurnal Prikl Spekr, Vol 7, No 2,
Aug 1967, pp 198-201.
CIA X-0789

Nov 68

353,540

Neodymium Glass Laser with Electrooptical
Q-Switching, by A. P. Zharkov.
RUSSIAN, per, Zh Prik Spekt, Vol 7,
No 2, 1967, pp 269-270.

FTD-S-418

Mar 69

377,231

Excitation of Generation in Solutions of Thirteen
Organic Dyes with the Aid of a Giant Ruby-Laser
Pulse, by A. A. Zubinov, V. A. Gritovnikov.
14 pp.

RUSSIAN, Ser, Zhurnal Prikladnoy Spektroskopi,
Vol 7, no 3, 1967, pp 327-335.

RU/PH/4-24-157-66

sci/optics
7/69

381,131

Occurrence of Angular Oscillation Modes when the
Resonator Mirror of an QAG is Tilted, by
A.P. Vanyukov, V.I. Isayenko, et al. 7 pp.
USSR, Tr. Vsesoyuznogo Nauchno-Issledovatskogo
Centra Prikladnoy Spektroskopii,
Vol 7, no 3, 1967, pp 336-339.
NIS/PTD/ T-24-187-68

sci/physics
May 69

381,132

Investigation of Temperature Deformation of
Ruby-Laser Crystals, by A. I. Gribanov,
L. I. Shozov, et al. 7 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 3, 1967, pp 340-343.
AI /PHD/ T-24-187-68

sci/physics
may 69

381,133

Photoelectric Method of Investigating Distribution
of Fluctuation Over the Cross Section of Laser Rods,
by L.S. Kravtsov, L.V. Sytychenko, et al. 8 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 3, 1967, pp 344-348.
AD/PTD/AM-24-187-68

sci/physics
July 69

381,134

Influence of Rate of Switching of the Optical
Cavity on Characteristics of Laser Emission, by
T. P. Galushov, B. G. Korovin, et al. 10 pp.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol. 7, No. 3, 1967, pp. 354-359.
AII/PID/14-24-187-68

sci/physics
May 69

381,135

Operation of an Optical Quantum Amplifier in a
Gaseous Mixture, by Ye. P. Kuznetsov, I. P.
Nazan'ko.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 3, 1967, pp 360-366.

FTD-3-289-2007-68

Investigation Infrared Spectra of Grafted Co-
polymers, by V. V. Korshak, B.V. Lokshin, K. K.
Mozgova, and Yu. V. Yegorova.
RUSSIAN, per, Zhurnal Prikladnoy Spektroskopii,
Vol 7, No 3, 1967, pp 367-370.
FTD-5-322 332-6)

Jan 69

574,340

Request translation check 12-11-6 BT68-10-3595T

Infrared absorption spectra of polymers based on bisphenols and formaldehyde during their hardening and thermal curing

L I Komarova, V V Korshak, et al

Zhurnal prikladnoy spektroskopii, vol 7, nr 4, 1967, 611-614

In process

HT-23-24-67

*negative
2/1/69*

Organic Absorption Light Filters of the
Cutoff Type for the Spectral Region 310-
500 nm, by M. A. Okatov, L. I. Voronina.
RUSSIAN, per, Zhurnal Prikladnoy Spekt,
Vol 7, No 4, 1967, pp 538-643.
AIR/FTD/HT-23-476-68

Sci-Phys
Apr 69

379,874

TRANSPARENCY BAND

UMEROV R I

UR: ZHURNAL PRIKLADNOY SPEKTROSKOPII; VOL 7;
ISSUE 5, 1967

PGS: 691 - 694

R. J. ...
15-13-71-0623

Scattering of Short-Duration Light Signals
in a Turbulent Medium, by I. L. Katsev,
A. P. Ivanov.

RUSSIAN, per, Zhurnal Prik Spekt, Vol 7,
No 5, 1967, pp 714-721.

AIR/FTD/HT-23-475-68

Sci-Phys
Apr 69

379,861

Increasing the Effective Q-Switching Speed
in Rotating-Prism Ruby Lasers, by
V. A. Pilipovich, Yu. F. Morgun.
RUSSIAN, per, Zhurnal Prikl Spekt, Vol 7,
No 5, 1967, pp 760-762.
AIR/FTD/HT-23-475-68

Sci-Phys
Apr 69

378,862

On the Question of the Intensity of the
Lines of a Forced Combination Scattering
in Mixtures, by A. V. Bortkevich,
Ya. S. Bovovich.
RUSSIAN, per, Zhurnal Prik Spekt, Vol 7,
No 5, 1967, pp 767-770.
AIR/FTD/HT-23-475-68

Sci-Phys
Apr 69

379,863

**Thermoluminescence, EPR, and Electron
Absorption Spectra of Sodium-Calcium-
Silicate Glasses, by T. A. Sidorov, V. A.
Tyul'kin, V. S. Aksenov.
RUSSIAN, per, Zhurnal Prikladnoi Spektroskopii,
Vol 7, No 5, 1967, pp. 778-80.
NTC 69-11209-20F**

**Sci-Phys
July 69**

388,822

FTD (TDBIR)

21-6-4

BT68-7-241

Request translation check

LG-55 and LG-56 gas lasers

No author

Russ per: Zhurnal prikladnoy spektroskopii, v. 7, no 5,
1967, 798-799

HT-23-1196-68

Parameters of Giant Laser Pulses in Instantaneous
Q-Switching, by D. T. Stasel'ko, V. Ye. Khartaliyev.
12 pp.

RUSSIAN, per, Zhurnal Prikladnoy Spektroskopi,

Vol 7, No 6, 1967, pp 839-844.

AD/PD/IN-23-1072-68

sci/physics
july 69

384,227