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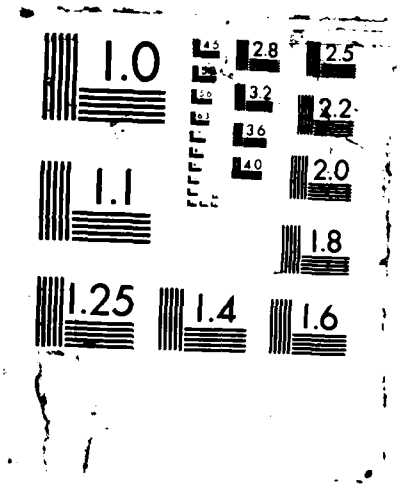
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20. ABSTRACT

This is the Soviet Laser Bibliography for May-June 1986, and is No. 83 in a continuing series on Soviet laser developments. The coverage includes basic research on solid state, liquid, gas, and chemical lasers; components; nonlinear optics; spectroscopy of laser materials; ultrashort pulse generation; theoretical aspects of advanced lasers; and general laser theory. Laser applications are listed under biological effects; communications systems; beam propagation; adaptive optics; computer technology; holography; laser-induced chemical reactions; measurement of laser parameters; laser measurement applications; laser-excited optical effects; laser spectroscopy; beam-target interaction; and plasma generation and diagnostics.

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INTRODUCTION

This bibliography has been compiled under an interagency agreement as a continuing effort to document current Soviet-bloc developments in the quantum electronics field. The period covered is May-June 1986, and includes all significant laser-related articles received by us in that interval. The bulk of the entries come from the approximately 30 periodicals which are known to publish the most significant findings in Soviet laser technology. Citations from the Soviet Reference Journals (journals of abstracts) are also included. Laser items from the popular or semipopular press are generally omitted. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry indicates the secondary source in which the citation was found as a bibliographic entry or abstract, but for which the original source is not currently available at the Library.

Since our computer is not now able to print between lines, superscripts and subscripts are indicated by (sup) and (sub).

We are producing the entire bibliography on computer. To make our bibliography compatible with other data bases, for source abbreviations, we use the letter codens generally used in our own government rather than transliterations of abbreviations used in the Soviet Union. Likewise, we use letter codens to designate affiliations. The authors' affiliations are indicated in parentheses after the authors' names in the text. Empty parentheses indicate that the affiliation was not given. A source abbreviations list, authors' affiliations list, and author index are included in the back of the bibliography.

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a. Miscellaneous

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e. Phthalimide

f. Cyanine

g. Xanthene

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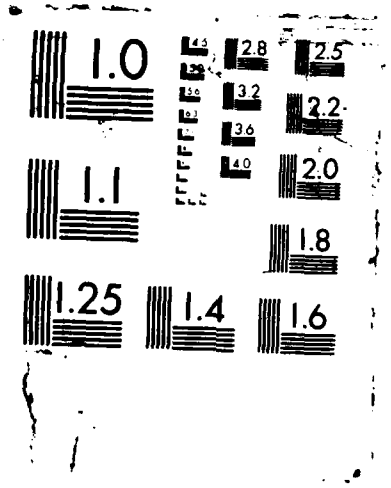
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IV. SOURCE ABBREVIATIONS

(Note: CTC = cover-to-cover translation available)

AKZHA	Akusticheskiy zhurnal (CTC)
ANPYA	Annalen der Physik (Leipzig)
ARAKB	Archiwum akustyki (Warsaw)
ATPLB	Acta physica polonica. Series A
AVMEB	Avtometriya (CTC)
BWATA	Biuletyn Wojskowej akademii technicznej imeni Jaroslawa Dabrowskiego
CISHPMST	International Symposium: High-Purity Materials, Science and Technology
CIWKIlme	Internationales wissenschaftliches Kolloquium, Ilmenau
CMSPMEKZ	Mezhdunarodnyy seminar: Prochnost' materialov i elementov konstruktsiy pri zvukovykh chastotakh nagruzheniya
CVKKNOpt	Vsesoyuznaya konferentsiya po kogerentnoy i nelineynoy optike
CVSISIzl	Vsesoyuznoye soveshchaniye po ispol'zovaniyu sinkhrotonnogo izlucheniya
CVSMSVSR	Vsesoyuznyy simpozium po molekulyarnoy spektroskopii vysokogo i sverkhvysokogo razresheniya
CWCIMEKO	World Congress of IMEKO [Internationale Messtechnische Konfoederation, International Measurement Confederation]
CZYPA	Czechoslovak Journal of Physics
DANAA	Akademiya nauk Armyanskoy SSR. Doklady
DANKA	Akademiya nauk SSSR. Doklady (CTC)

DANUA	Akademiya nauk Uzbekskoy SSR. Doklady
DAZRA	Akademiya nauk Azerbaydzhanskoy SSR. Doklady
DEFKA	Defektoskopiya (CTC)
DUKAB	Akademiya nauk Ukrayns'koy RSR. Dopovidi. Seriya A. Fiziko-matematychni ta tekhnichni nauki
EKNTB	Elektronika (Warsaw)
ELKKA	Elektrokhimii (CTC)
EOBMA	Elektronnaya obrabotka materialov (CTC)
ETFMB	Akademiya nauk Estonskoy SSR. Izvestiya. Fizika, matematika
FXPPA	Eksperimentelle Technik der Physik
FGRTA	Feingeraetetechnik
FGVZA	Fizika goreniya i vzryva (CTC)
FIPLD	Fizika plazmy (Moskva, AN SSSR) (CTC)
FIZSA	Fizika v shkole
FKOMA	Fizika i khimiya obrabotki materialov
FNMKA	Finomechanika, mikrotechnika (Budapest)
FNTED	Fizika nizkikh temperatur (Kiyev) (CTC)
FTPPA	Fizika i tekhnika poluprovodnikov (CTC)
FTVTA	Fizika tverdogo tela (CTC)
GTPZA	Gigiyena truda i professional'nyye zabolevaniya
IANFA	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya (CTC)
IFAOA	Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana (CTC)
INFZA	Inzhenerno-fizicheskiy zhurnal (CTC)

IUZTA	Akademiya nauk Uzbekskoy SSR. Izvestiya. Seriya tekhnicheskikh nauk
IVNMA	Akademiya nauk SSSR. Izvestiya. Neorganicheskiye materialy (CTC)
IVUBA	Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye (CTC)
IVUFA	Izvestiya vysshikh uchebnykh zavedeniy. Fizika (CTC)
IVUSA	Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye
IVUZB	Izvestiya vysshikh uchebnykh zavedeniy. Radioelektronika
IVYRA	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika (CTC)
IVZAA	Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka (CTC)
IZFMB	Akademiya nauk Moldavskoy SSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk
IZNMA	Akademiya nauk SSSR. Izvestiya. Metally (CTC)
IZTEA	Izmeritel'naya tekhnika (CTC)
JMKOA	Jemna mechanika a optika
KHFID	Khimicheskaya fizika (CTC)
KHVKA	Khimiya vysokikh energiy (CTC)
KNLTA	Knizhnaya letopis'
KRISA	Kristallografiya (CTC)
KVEKA	Kvantovaya elektronika (journal, Moskva) (CTC)
LFSBA	Litovskiy fizicheskiy sbornik (CTC)
LZFTA	Akademiya nauk Latviyskoy SSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk
LZSTA	Letopis' zhurnal'nykh statey

MGTDA	Magyar tudomany
MTRLB	Metrologiya
NACHA	Nachrichtentechnik-Elektronik (GDR)
OKNOA	Okeanologiya (CTC)
OPAPB	Optica applicata (Poland)
OPMPA	Optiko-mekhanicheskaya promyshlennost' (CTC)
OPSPA	Optika i spektroskopiya (CTC)
OTIZD	Otkrytiya, izobreteniya (formerly included in OIPOB)
OTPIA	Otbor i peredacha informatsii. Fiziko-mekhanichekiy institut AN UkrSSR. Respublikanskiy mezhvedomstvennyy sbornik nauchnykh trudov. Kiyev, Naukova dumka
PFKMD	Poverkhnost'. Fizika, khimiya, mekhanika (Moskva)
PNITB	Prace naukowe Instytutu technologii elektronowej Politechniki wroclawskiej (Breslau)
PRTEA	Pribory i tekhnika eksperimenta (CTC)
PSSAB	Physica status solidi (A). Applied Research (GDR)
PSSBB	Physica status solidi (B). Basic Research (GDR)
PZTFD	Zhurnal tekhnicheskoy fiziki. Pis'ma (CTC)
RADID	Nauchnyye trudy vysshikh uchebnykh zavedeniy Litovskoy SSR. Radioelektronika (Kaunas)
RAELA	Radiotekhnika i elektronika (journal, Moskva)(CTC)
RATEA	Radiotekhnika (journal, Moskva) (CTC)
RELED	Radiotekhnika i elektronika (sbornik, Minsk)
RRPQA	Revue Roumaine de Physique

RZFZA	Referativnyy zhurnal. Fizika
RZGFA	Referativnyy zhurnal. Geofizika
RZRAB	Referativnyy zhurnal. Radiotekhnika
SAKNA	Akademiya nauk Gruzinskoy SSR. Soobshcheniya
SCEFA	Studii si cercetari de fizica
SLOZA	Slaboproudy obzor
SOMEA	Sovetskaya meditsina
SPBAA	Spisanie na Bulgarskata Akademiya na Naukite
TEHBA	Tehnika (Yugoslavia)
TKMSB	Tekhnicheska misul (Sofia)
TKTEA	Tekhnika kino i televideniya
TVYTA	Teplofizika vysokikh temperatur (CTC)
UFIZA	Ukrainskiy fizicheskiy zhurnal (Russian language version) (CTC)
UFNAA	Uspekhi fizicheskikh nauk (CTC)
VAFEA	Akademiya nauk Belorusskoy SSR. Izvestiya. Seriya fiziko-energeticheskikh nauk
VBMFA	Belorusskiy universitet. Vestnik. Seriya 1. Matematika, fizika, mekhanika
VBSFA	Akademiya nauk Belorusskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk
VORLA	Vestnik otorinolaringologii
VYSAA	Vysokomolekulyarnyye soyedineniya. Seriya A (CTC)
WIFOA	Wissenschaft und Fortschritt (GDR)
ZETFA	Zhurnal eksperimental'noy i teoreticheskoy fiziki (CTC)

ZFKHA	Zhurnal fizicheskoy khimii (CTC)
ZFPRA	Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma (CTC)
ZNPFA	Zhurnal nauchnoy i prikladnoy fotografii i kinematografii (CTC)
ZPMFA	Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki (CTC)
ZPSBA	Zhurnal prikladnoy spektroskopii (CTC)
ZRBEA	Zarubezhnaya radioelektronika
ZTEFA	Zhurnal tekhnicheskoy fiziki (CTC)
ZUNBA	Zhurnal ushnykh, nosovykh i gorlovykh bolezney
ZVMFA	Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki (CTC)

V. AUTHOR AFFILIATIONS

AKIN
  Akusticheskiy institut AN SSSR
  Acoustics Institute, Academy of Sciences USSR
API
  Altayskiy politekhnicheskiy institut
  Altay Polytechnical Institute, Barnaul
BashGU
  Bashkirskiy gosudarstyvennyy universitet
  Bashkir State university
BashMI
  Bashkirskiy meditsinskiy institut
  Bashkir Medical Institute
BGU
  Belorusskiy gos universitet
  Belorussian State University
BPI
  Belorusskiy politekhnicheskiy institut
  Belorussian Polytechnical Institute, Minsk
ChPI
  Chelyabinskiy politekhnicheskiy institut
  Chelyabinsk Politechnical Institute
DagGPI
  Dagestanskiy Gosudarstvennyy Pedagogicheskiy Institut
  Dagestan State Pedagogical Institute
DGU
  Dnepropetrovskiy gosudarstvennyy universitet
  Dnepropetrovsk State University
EIS
  Elektrotekhnicheskiy institut svyazi
  Electrotechnical Institute of Communications, Leningrad
FIAN
  Fizicheskiy institut im Lebedeva AN SSSR
  Physics Institute imeni Lebedev, Academy of Sciences USSR, Moscow
FMIANUkr
  Fiziko-mekhanicheskiy institut AN Ukr SSR
  Physical Mechanical Institute, Academy of Sciences Ukrainian SSR, L'vov
FTI
  Fiziko-tekhnicheskiy institut im Ioffe AN SSSR
  Physicotechnical Institute im Ioffe, Academy of Sciences USSR, Leningrad
FTIANTadzh
  Fiziko-tekhnicheskiy institut AN TadzhSSR
  Physicotechnical Institute, Academy of Sciences Tadzhik SSR, Dushanbe

FTIANUk
  Fiziko-tekhnicheskiy institut AN UkrSSR
  Physicotechnical Institute, Academy of Sciences Ukrainian SSR, Khar'kov
FTINT
  Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR
  Physicotechnical Institute of Low Temperature Physics, Academy of Sciences Ukrainian SSR, Khar'kov
GAZ
  Gor'kovskiy avtomobil'niy zavod
  Gor'kiy Automobile Plant
GGU
  Gor'kovskiy gos universitet
  Gor'kiy State University
GIFTI
  Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskiy institut pri Gor'kovskom gos universite
  Gor'kiy Physicotechnical Research Institute at Gor'kiy State University
GNIIKhTES
  Gos NII khimii i tekhnologii elementoorganicheskikh soyedineniy
  State Scientific Research Institute of Chemistry and Technology of Organoelemental Compounds
GOI
  Gosudarstvennyy opticheskiy institut im Vavilova
  State Optical Institute imeni Vavilov, Leningrad
IAE
  Institut atomnoy energii im Kurchatova
  Institute of Atomic Energy imeni Kurchatov, Moscow
IAESOAN
  Institut avtomatiki i elektrometrii SOAN
  Institute of Automation and Electronic Measurements, Siberian Branch Academy of Sciences USSR
IBFiz
  Institut biologicheskoy fiziki AN SSSR
  Institut of Biological Physics, Academy of Sciences USSR, Pushchino
IELAN
  Institut elektrokhimii AN SSSR
  Institute of Electrochemistry, Academy of Sciences USSR
IEM
  Institut eksperimental'noy meteorologii
  Institute of Experimental meteorology, Obninsk
IFANAz
  Institut fiziki AN AzSSR
  Institute of Physics, Academy of Sciences Azerbaydzhan SSR

IFANB
Institut fiziki AN BSSR
Institute of Physics, Academy of Sciences Belorussian SSR, Minsk

IFANEst
Institut fiziki AN EstSSR
Institute of Physics, Academy of Sciences Estonian SSR

IFANUk
Institut fiziki AN UkrSSR
Institute of Physics, Academy of Sciences Ukrainian SSR, Kiev

IFI
Institut fizicheskikh issledovaniy AN ArmSSR
Institute of Physics Research, Academy of Sciences Armenian SSR

IFP
Institut fizicheskikh problem AN SSSR
Institute of Problems of Physics, Academy of Sciences USSR

IFPSOAN
Institut fiziki poluprovodnikov SOAN
Institute of Semiconductor Physics, Siberian Branch Academy of Sciences USSR, Novosibirsk

IFPV
Institut fiziki poluprovodnikov AN LitSSR
Institute of Semiconductor Physics, Academy of Sciences Lithuanian SSR, Vilnius

IFSOAN
Institut fiziki SOAN
Institute of Physics, Siberian Branch Academy of Sciences USSR, Krasnoyarsk

IFTT
Institut fiziki tverdogo tela AN SSSR
Institute of Solid State Physics, Academy of Sciences USSR, Chernogolovka

IKAN
Institut kristallografii AN SSSR
Institute of Crystallography, Academy of Sciences USSR, Moscow

IKhF
Institut khimicheskoy fiziki AN SSSR
Institute of Physics of Chemistry, Academy of Sciences USSR, Chernogolovka

IKhKG
Institut khimicheskoy kinetiki i goreniya SOAN
Institute of Chemical Kinetics and Combustion, Siberian Branch Academy of Sciences USSR, Novosibirsk

IMET
Institut metallurgii im Baykova
Institute of Metallurgy imeni Baykov, Moscow

IMMGU
Institut mekhaniki Moskovskogo GU
Institute of Mechanics of Moscow State University

INKhS
Institut neftekhimicheskogo sinteza AN SSSR
Institute of Petrochemical Synthesis, Academy of Sciences USSR, Moscow

IOA
Institut optiki atmosfery SOAN
Institute of Atmospheric Optics, Siberian Branch Academy of Sciences USSR

IOAN
Institut okeanologii AN SSSR
Institute of Oceanography, Academy of Sciences USSR, Moscow

IOF
Institut obshchey fiziki AN SSSR
Institute of General Physics, Academy of Sciences USSR, Moscow

IPANUk
Institut poluprovodnikov AN UkrSSR
Institute of Semiconductors, Academy of Sciences Ukrainian SSR, Kiev

IPF
Institut prikladnoy fiziki AN SSSR
Institute of Applied Physics, Academy of Sciences USSR, Gor'kiy

IPFANBel
Institut prikladnoy fiziki AN BSSR
Institute of Applied Physics, Academy of Sciences Belorussian SSR

IPFANM
Institut prikladnoy fiziki AN MSSR
Institute of Applied Physics, Academy of Sciences Moldavian SSR, Kishinev

IPMe
Institut problem mekhaniki AN SSSR
Institute of Problems of Mechanics, Academy of Sciences USSR, Moscow

IPOnk
Institut problem onkologii AN UkrSSR
Institute for Problems of Oncology, Academy of Sciences Ukrainian SSR

IPTMOM
Institut problem tekhnologii mikroelektroniki i osobochistykh materialov AN SSSR
Institute for Problems of the Technology of Microelectronics and Extra Pure Materials, Academy of Sciences USSR, Chernogolovka

IRE
Institut radiotekhniki i elektroniki AN SSSR
Institute of Radioengineering and Electronics, Academy of Sciences USSR, Moscow

ISAN
Institut spektroskopii AN SSSR
Institute of Spectroscopy, Academy of Sciences USSR

ISE
Institut sil'notochnoy elektroniki SOAN
Institute of High-Current Electronics, Siberian Branch Academy of Sciences USSR, Tomsk

ISPM
Institut sinteticheski.h polimernykh materialov AN SSSR, Moscow
Institute of Synthetic Polymer Materials, Academy of Sciences USSR, Moscow

ITEF
Institut teoreticheskoy i eksperimental'noy fiziki
Institute of Theoretical and Experimental Physics, Moscow

ITeFUk
Institut teoreticheskoy fiziki AN UkrSSR
Institute of Theoretical Physics, Academy of Sciences Ukrainian SSR, Kiev

ITF
Institut teplofiziki SOAN
Institute of Thermophysics, Siberian Branch Academy of Sciences USSR, Novosibirsk

ITM
Institut tekhnicheskoy mekhaniki AN UkrSSR
Institute of Engineering Mechanics, Academy of Sciences Ukrainian SSR, Dnepropetrovsk

ITMO
Institut teplo- i massoobmena AN BSSR
Institute of Heat and Mass Exchange, Academy of Sciences Belorussian SSR

ITPM
Institut teoreticheskoy i prikladnoy mekhaniki SOAN
Institute of Theoretical and Applied Mechanics, Siberian Branch Academy of Sciences USSR, Novosibirsk

IVTAN
Institut vysokikh temperatur AN SSSR
Institute of High Temperatures, Academy of Sciences USSR

IYaFANUz
  Institut yadernoy fiziki AN UzSSR
  Institute of Nuclear Physics, Academy of Sciences Uzbek SSR, Ulugbek
IYaFSOAN
  Institut yadernoy fiziki SOAN
  Institute of Nuclear Physics, Siberian Branch Academy of Sciences USSR, Novosibirsk
KaGU
  Kazanskiy gos universitet
  Kazan' State University
KazFTI
  Kazanskiy fiziko-tekhnicheskiy institut AN SSSR
  Kazan' Physicotechnical Institute, Academy of Sciences USSR
KazGU
  Kazakhskiy gos universitet
  Kazakh State University, Alma Ata
KGU
  Kiyevskiy gos universitet
  Kiev State University
KhGU
  Khar'kovskiy gos universitet
  Khar'kov State University
KhIIZhT
  Khar'kovskiy institut inzhenerov zheleznodorozhnogo transporta
  Khar'kov Institute of Railroad Transport Engineers
KIYaI
  Institut yadernykh issledovaniy AN UkrSSR
  Institute of Nuclear Research, Academy of Sciences Ukrainian SSR, Kiev
KNIIO
  Kiyevskiy nauchno-issledovatel'skiy institut otolaringologii im A.I. Kolomiychenko
  Kiyev Scientific Research Institute of Otolaryngology imeni A.I. Kolomiychenko
KPIA
  Kiyevskiy politekhnicheskiy institut
  Kiev Polytechnic Institute
LETI
  Leningradskiy elektrotekhnicheskiy institut
  Leningrad Electric Engineering Institute
LGPI
  Leningradskiy gos pedagogicheskiy institut
  Leningrad State Pedagogical Institute
LGU
  Leningradskiy gos universitet
  Leningrad State University

LPI
  Leningradskiy politekhnicheskiy institut
  Leningrad Polytechnic Institute
LvPI
  L'vovskiy politekhnicheskiy institut
  L'vov Polytechnic Institute
MATI
  Moskovskiy aviatsionnyy tekhnologicheskiy institut
  Moscow Aviation Technical Institute
MEIS
  Moskovskiy elektrotekhnicheskiy institut svyazi
  Moscow Electrotechnical Institute of Communications
MFTI
  Moskovskiy fiziko-tekhnicheskiy institut
  Moscow Physicotechnical Institute
MGU
  Moskovskiy gos universitet
  Moscow State University
MIFI
  Moskovskiy inzhenerno-fizicheskiy institut
  Moscow Engineering Physics Institute
MIREA
  Moskovskiy institut radiotekhniki, elektroniki i avtomatiki
  Moscow Institute of Radio Engineering, Electronics and Automation
MISIS
  Moskovskiy institut stali i splavov
  Moscow Institute of Steel and Alloys
MITKhT
  Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova
  Moscow Institute of Fine Chemical Technology imeni Lomonosov
MIU
  Moskovskiy institut upravleniya im Ordzhonikidze
  Moscow Institute of Control imeni Ordzhonikidze
MOPI
  Moskovskiy oblastnoy pedagogicheskiy institut im. N.K. Krupskoy
  Moscow Oblast Pedagogical Institute im. N.K. Krupskaya
MRI
  Minskiy radiotekhnicheskiy institut
  Minsk Radio Engineering Institute
MVTU
  Moskovskoye vyssheye tekhnicheskoye uchilishche im Baumana
  Moscow Higher Technical College imeni Bauman

NGU
  Novosibirskiy gos universitet
  Novosibirsk State University
NIFKhI
  NI fiziko-khimicheskiy institut im Karpova
  Scientific Research Institute of
    Physicochemistry imeni Karpov
NIIBIKhS
  NII po biologicheskim ispytaniyam khimicheskikh
    soyedineniy
 Scientific Research Institute for Biological Tests
    of Chemical Compounds, Kupavna, Moscow Region
NIIFL
  NII fiziki pri Leningradskom gos universitete
  Scientific Research Institute of Physics at Leningrad
    State University
NIIFRGU
  NII fiziki Rostovskogo gos universiteta
  Scientific Research Institute of Physics of
    Rostov State University
NIIFTT
  NII fiziki tverdogo tela Latviyskogo GU
  Scientific Research Institut of Solid State Physics
    of the Latvian State University, Riga
NIIMF
  NII mekhaniki i fiziki Saratovskogo GU
  Scientific Research Institute of Mechanics and
    Physics of Saratov State University
NIIPFP
  NII prikladnykh fizicheskikh problem pri
    Belorusskom gos universitete
  Scientific Research Institute of Applied Physics
    Problems at Belorussian State University
NIIYaF
  NII yadernoy fiziki pri Moskovskom gos universitete
  Scientific Research Institute of Nuclear Physics at
    Moscow State University
NIKFI
  NI kinofotoinstitut
  Scientific Research Institute of Motion Pictures and
    Photography, Moscow
NIOPIK
  NII organicheskikh poluproduktov i krasiteley
  Scientific Research Institute of Organic
    Intermediates and Dyes, Moscow
NITsTLAN
  NI tsentr po tekhnologicheskim lazeram AN SSSR
  Scientific Research Center for Industrial Lasers,
    Academy of Sciences USSR

NovgPI
Novgorodskiy politekhnicheskiy institut
Novgorod Polytechnic Institute

NPOKIANAz
Nauchno-proizvodstvennoye ob"yedineniye kosmicheskikh issledovaniy AN AzSSR
Scientific Production Association of Space Research, Academy of Sciences Azerbaydzhan SSR, Baku

NSPGAN
Nauchnyy sovet AN SSSR po probleme "Golografiya"
Scientific Council on Holography, Academy of Sciences USSR

OGU
Odesskiy gos universitet
Odessa State University

OIYaI
Ob"yedinennyy institut yadernykh issledovaniy
Joint Institute of Nuclear Research, Dubna

ONIITEkhim
Otdeleniye NII tekhniko-ekonomicheskikh issledovaniy khimicheskoy promyshlennosti
Department of Scientific Research Institute of Technical Economic Studies of the Chemical Industry, Cherkassy

OOFA
Otdeleniye obshchey fiziki i astronomii AN SSSR
Department of General Physics and Astronomy, Academy of Sciences USSR, Moscow

PetGU
Petrozavodskiy gos universitet
Petrozavodsk State University

PMMI
Pervyy Moskovskiy meditsinskiy institut im Sechenova
First Moscow Medical Institut imeni Sechenov

SFTI
Sibirskiy fiziko-tekhnicheskiy institut im Kuznetsova
Siberian Physicotechnical Institute imeni Kuznetsov, Tomsk

SGI
Sverdlovskiy gornyy institut
Sverdlovsk Mining Institute

SKBOptika
Spetsial'noye konstruktorskoye byuro nauchnogo priborostroyeniya "Optika" SOAN
"Optika" Special Design Bureau for Scientific Instrument Manufacture, Siberian Branch Academy of Sciences USSR, Tomsk

SKTBSEAP
SKTB spetsialnoy elektroniki i analiticheskogo priborostroyeniya, SOAN SSSR, Novosibirsk
Special Design and Technology Bureau for Specialized Electronics and Analytical Instrument Manufacture, Siberian Branch Academy of Sciences USSR, Novosibirsk

TashGU
Tashkentskiy gos universitet
Tashkent State University

TbGU
Tbilisskiy gos universitet
Tbilisi State University

TOI
Tikhookeanskiy okeanologicheskiy institut Dal'nevostochnogo nauchnogo tsentra AN SSSR
Pacific Oceanographic Institute, Far Eastern Scientific Center, Academy of Sciences USSR, Vladivostok

TsNIITEIpriboro
TsNII informatsii i tekhniko-ekonomicheskikh issledovaniy priborostroyeniya, sredstv avtomatizatsii i sistem upravleniya
Central Scientific Research Institute of Information and Technical Economic Studies on Instrument Manufacture, Means of Automation, and Control Systems, Moscow

TulPI
Tul'skiy politekhnicheskiy institut
Tula Polytechnic Institute

UDN
Universitet druzhby narodov im Lumumby
University of Friendship Among Peoples imeni Lumumba, Moscow

UkrNIINTI
Ukrainskiy NII nauchno-tekhnicheskoy informatsii i tekhniko-ekonomicheskikh issledovaniy Gosplana UkrSSR
Ukrainian Scientific Research Institute of Scientific and Technical Information and of Technical Economic Studies for the State Plan of the Ukrainian SSR, Kiev

UzhGU
Uzhgorodskiy gos universitet
Uzhgorod State University

VGNIPIKFP
Vsesoyuznyy gos NI i proyektnyy institut fiziko-fotograficheskoy promyshlennosti
All-Union State Scientific Research and Planning Institute of the Photographic Chemical Industry, Moscow

VGU
Voronezhskiy gos universitet
Voronezh State University

VilGU
Vil'nyusskiy gos universitet
Vilnius State University

VINITI
Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii
All-Union Institute of Scientific and Technical Information, Moscow

VNIFTRI
VNII fiziko-tekhnicheskikh i radiotekhnicheskikh izmereniy
All-Union Scientific Research Institute of Physico-technical and Radiotechnical Measurements, Moscow

VNIILOChV
VNII lyuminoforov i osobo chistykh veshchestv
All-Union Scientific Research Institute of Luminophors and Extra Pure Substances

VNIIM
VNII metrologii im Mendeleyeva
All-Union Scientific Research Institute of Metrology imeni Mendeleyev, Leningrad

VNIIOFI
VNII optiko-fizicheskikh izmereniy
All-Union Scientific Research Institute of Optophysical Measurements, Moscow

VNIPKTIIT
VNI proyektno-konstruktorskiy i tekhnologicheskiy institut istochnikov toka
All-Union Scientific Research, Planning, Design and Technological Institute of Current Sources

VTsSOAN
Vychislitel'nyy tsentr SOAN
Computer Center, Siberian Branch Academy of Sciences USSR

VZMI
Vsesoyuznyy zaochnyy mashinostroitel'nyy institut
All-Union Correspondence Institute of Mechanical Engineering

YeGU
Yerevanskiy gos universitet
Yerevan State University

YelGPI
Yelabuzhskiy gosudarstvennyy pedagogicheskiy institut
Yelabuga State Pedagogical Institute

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