

ADP011338	VISION-BASED INTELLIGENT ROBOTS
ADP011339	THE FACE RECOGNITION SECURITY ENTRANCE
ADP011340	SEAGLE-1, A NEW MAN-PORTABLE THERMAL IMAGER
ADP011341	NEW METHOD OF LARGE INK SUPPLY WITHOUT LONG TUBING SYSTEM FOR WIDE-FORMAT INKJET PRINTER
ADP011342	THE MENISCUS OSCILLATION OF INK FLOW DYNAMICS IN THERMAL INKJET PRINT
ADP011343	MEASUREMENT OF CONTRAST RATIOS FOR 3D DISPLAY
ADP011344	SPATIAL LONG-RANGE MODULATION OF CONTRAST DISCRIMINATION
ADP011345	MEASUREMENT OF THE SPATIAL FREQUENCY RESPONSE (SFR) OF DIGITAL STILL-PICTURE CAMERAS USING A MODIFIED SLANTED EDGE METHOD
ADP011346	COMPARISONS OF THE CAMERA OECF, THE ISO SPEED, AND THE SFR OF DIGITAL STILL-PICTURE CAMERAS
ADP011347	A DIGITAL CAMCORDER IMAGE STABILIZER BASED ON GRAY CODED BIT-PLANE BLOCK MATCHING
ADP011348	INTERNET COLOR IMAGING
ADP011349	SPECTRAL ESTIMATION AND COLOR APPEARANCE PREDICTION OF FLUORESCENT MATERIALS
ADP011350	DESIGN AND PRODUCTION OF COLOR CALIBRATION TARGETS FOR DIGITAL INPUT DEVICES
ADP011351	AN IMPLEMENTATION OF SCANNER ICC PROFILE GENERATOR
ADP011352	COLOR REPRODUCTION SYSTEM BASED ON COLOR APPEARANCE MODEL AND GAMUT MAPPING
ADP011353	CHARACTERISTIC EXTRACTION OF FACE USING DWT AND RECOGNITION BASED ON NEURAL NETWORKS
ADP011354	SOME CONTRIBUTIONS TO WAVELET BASED IMAGE CODING
ADP011355	FAST ITTBC USING PATTERN CODE ON THE SUBBAND SEGMENTATION
ADP011356	CURRENT RESEARCH ON THE ARO-POSITRON EMISSION TOMOGRAPHY
ADP011357	INFLUENCE OF COMPRESSION RATIO OF FOAM ON PRINTING QUALITY OF INK CARTRIDGE
ADP011358	INFLUENCE OF BACK PRESSURE OF INK CARTRIDGE ON REGULAR OPERATION OF INK SUPPLY SYSTEM
ADP011359	METHOD AND APPARATUS FOR MEASURING THE DROPLET FREQUENCY RESPONSE OF AN INK JET PRINTHEAD
ADP011360	FILM STRESS AND ADHESION CHARACTERISTICS OF PASSIVATION LAYERS FOR THERMAL INK-JET PRINTHEAD
ADP011361	A MONOLITHIC THERMAL INKJET PRINTHEAD COMBINING ANISOTROPIC ETCHING AND ELECTRO PLATING

ADP011362	STRUCTURED-LIGHT BASED ON SHAPED DEPTH-IMAGE CAPTURING SYSTEM
ADP011500	ELECTRONIC STRUCTURE, AMORPHOUS MORPHOLOGY AND THERMAL STABILITY OF TRANSITION METAL OXIDE AND CHALCOGENIDE ALLOYS
ADP011501	CURRENT UNDERSTANDING OF PHOTOINDUCED VOLUME AND BANDGAP CHANGES IN AMORPHOUS CHALCOGENIDES
ADP011502	PHOTOINDUCED CHANGES OF STRUCTURE AND PROPERTIES OF AMORPHOUS BINARY AND TERNARY CHALCOGENIDES
ADP011503	THE CHARGED DEFECT EXISTS?
ADP011504	ATOMIC AND ELECTRONIC STRUCTURES OF GLASSY $\text{Ge}_{1-x}\text{Se}_x$ AROUND THE STIFFNESS THRESHOLD COMPOSITION
ADP011505	PHYSICAL PROPERTIES OF DOPED CHALCOGENIDE GLASSY SEMICONDUCTORS WHICH ARE GOVERNED BY THE INTERACTION OF NEGATIVE-U DEFECTS AND IMPURITY STATES
ADP011506	TRANSIENT AND METASTABLE PHOTODARKENING IN AMORPHOUS CHALCOGENIDES
ADP011507	NEW AG-CONTAINING AMORPHOUS CHALCOGENIDE THIN FILMS - PROSPECTIVE MATERIALS FOR REWRITEABLE OPTICAL MEMORIES
ADP011508	POLYMORPHOUS-CRYSTALLOID STRUCTURE AND RELAXATION PROCESSES IN SOME CHALCOGENIDE GLASS-FORMING SUBSTANCES
ADP011509	MICROPARACRYSTALLINE MODEL FOR MEDIUM-RANGE ORDER IN NON-CRYSTALLINE CHALCOGENIDES
ADP011510	INFLUENCE OF THE INTEGRATION LIMITS ON THE SHAPE OF PAIR CORRELATION FUNCTIONS OF NON-CRYSTALLINE MATERIALS
ADP011511	INTERACTION OF POLARIZED LIGHT WITH CHALCOGENIDE GLASSES
ADP011512	MODELLING OF THE STRUCTURE AND STRUCTURAL TRANSFORMATIONS IN AMORPHOUS CHALCOGENIDES
ADP011513	ON THE CHANGES IN THE STRUCTURAL AND OPTICAL PROPERTIES ACCOMPANYING THE AHERMAL PHOTOVITRIFICATION PHENOMENON IN $\text{As}_{50}\text{Se}_{50}$ THIN FILMS
ADP011514	RAMAN INVESTIGATION OF STRUCTURAL PHOTOINDUCED IRREVERSIBLE CHANGES OF $\text{Ga}_{10}\text{Ge}_{25}\text{S}_{65}$ CHALCOGENIDE GLASSES
ADP011515	UV IRRADIATION EFFECTS IN PURE AND TIN-DOPED AMORPHOUS $\text{As}_{50}\text{Se}_{50}$ FILMS
ADP011516	LASER PULSE EFFECTS IN Se-S GLASSY THICK FILMS
ADP011517	LIGHT INDUCED CHANGES IN THE OPTICAL PROPERTIES OF THIN As-S-Ge(BI, TL) FILMS
ADP011518	EFFECT OF OBLIQUE DEPOSITION ON OPTICAL AND ELECTRICAL PROPERTIES OF As_2S_3 AND As_2Se_3
ADP011519	PECULIARITIES OF GAMMA-INDUCED OPTICAL EFFECTS IN TERNARY SYSTEMS OF AMORPHOUS CHALCOGENIDE SEMICONDUCTORS

ADP011520	RADIATION DEFECTS IN AMORPHOUS AS-GE-S STUDIED BY POSITRON ANNIHILATION TECHNIQUES
ADP011521	GLASSY TRANSFORMATION AND STRUCTURAL CHANGE IN GE ₂ SB ₂ TE ₅ STUDIED BY IMPEDANCE MEASUREMENTS
ADP011522	THERMALLY-INDUCED STRUCTURAL CHANGES IN COPPER-CONTAINING CHALCOGENIDE THIN FILMS
ADP011523	HIGH-PURITY GLASSES BASED ON ARSENIC CHALCOGENIDES
ADP011524	OPTICAL AND MECHANICAL CHARACTERISTICS OF FIBERS MADE OF ARSENIC CHALCOGENIDES
ADP011525	OPTO-MECHANICAL EFFECT IN CHALCOGENIDE GLASSES
ADP011526	WAVEGUIDES BASED UPON CHALCOGENIDE GLASSES
ADP011527	CHALCOGENIDE FIBRE DISPLACEMENT SENSOR
ADP011528	LIGHT-STIMULATED STRUCTURAL TRANSFORMATIONS AND OPTICAL RECORDING IN AMORPHOUS NANO-LAYERED STRUCTURES
ADP011529	FORMATION OF PROFILED HOLOGRAPHIC DIFFRACTION GRATINGS USING PHYSICOCHEMICAL INTERACTION IN AS ₂ SE ₃ -AG SYSTEM
ADP011530	EFFECTIVE HOLOGRAPHIC RECORD ON THIN FILMS OF CHALCOGENIDE SEMICONDUCTORS
ADP011531	EVANESCENT - WAVE RECORDING IN VERY THIN LAYERS
ADP011532	HOLOGRAPHIC RECORDING IN NANO-SIZED AS ₂ S ₃ FILMS
ADP011533	RESEMBLANCE OF LASER LIGHT AND ELECTRIC FIELD INFORMATION RECORDINGS ON CHALCOGENIDE GLASSY SEMICONDUCTORS
ADP011534	TIME-OF-FLIGHT TECHNIQUE FOR INVESTIGATION OF AMORPHOUS CHALCOGENIDES AND BARRIER STRUCTURES ON THEIR BASE
ADP011535	FEATURES OF PHYSICOCHEMICAL INTERACTION IN THIN-FILM SYSTEM ON THE BASE OF ARSENIC TRISULPHIDE AND COPPER
ADP011536	PREPARATION AND PROPERTIES OF NON-CRYSTALLINE GLASSES IN THE SYSTEM SE-I
ADP011537	STRUCTURE AND PROPERTIES OF CHALCOGENIDE GLASSES IN THE SYSTEM (AS ₂ S ₃) SUB 1-X (SB ₂ S ₃) SUB X
ADP011538	COMPOSITIONAL DEPENDENCE OF THE OPTICAL PROPERTIES OF THE GE-SE-GA GLASSES
ADP011539	PHOTOELECTRET PROPERTIES AND HIGH-FIELD POLARIZATION IN CHALCOGENIDE GLASSES AND THIN FILMS
ADP011540	SPECTROSCOPIC STUDIES OF BULK AS ₂ S ₃ GLASSES AND AMORPHOUS FILMS DOPED WITH DY, SM AND MN
ADP011541	DONOR- AND ACCEPTOR-LIKE CENTER REVEALING BY PHOTOCONDUCTIVITY OF AMORPHOUS THIN AS ₂ SE ₃ FILMS
ADP011542	HOMOGENEITY THRESHOLD IN SULPHUR RICH GE-S GLASSES

ADP011543	THERMAL PROPERTIES OF AS-S GLASSES IN THE GLASS TRANSITION REGION
ADP011544	CARRIER TYPE REVERSAL IN PB SUB X GE SUB 42-X SE58 AND PB20GE SUB Y SE SUB 80-Y GLASSES EXHIBITED IN THERMAL DIFFUSIVITY MEASUREMENTS
ADP011545	PHOTOCONDUCTIVITY AND TRANSPORT PROPERTIES OF AS-SE THIN FILMS
ADP011546	OPTICAL AND ELECTRICAL PROPERTIES OF AMORPHOUS (GES2) SUB 100-X GA SUB X THIN FILMS
ADP011547	EXTENDED X-RAY ABSORPTION FINE STRUCTURE STUDY ON BI MODIFIED GES BULK GLASSES
ADP011548	CORRELATION BETWEEN MECHANICAL PARAMETERS FOR AMORPHOUS CHALCOGENIDE FILMS
ADP011549	RESEARCH OF A MICROPLASMA BREAKDOWN IN THIN FILMS OF GLASSY SEMICONDUCTORS
ADP011550	NEW CHALCOGENIDE GLASSES IN THE GESE2-AS2SE3-CDTE SYSTEM
ADP011551	X-RAY EXCITED LUMINESCENCE AND X-RAY IRRADIATION EFFECT ON CDS SUB 1-X SE SUB X NANOCRYSTALS OPTICAL ABSORPTION
ADP011553	VISIBLE LIGHT EMISSION FROM CD SUB 1-X MN SUB X S NANOCRYSTALS
ADP011554	CHEMICALLY PREPARED NANOCRYSTALLINE PBS THIN FILMS
ADP011555	IDEAS CONCERNING THE NON-CRYSTALLINE MATERIALS OBTAINMENT BY MELT UNDERCOOLING
ADP011556	STRUCTURAL CALCULATIONS FOR AMORPHOUS SYSTEMS USING STRUCTURAL DIFFUSION MODEL
ADP011557	POSSIBLE HIGH TEMPERATURE SUPERCONDUCTIVITY IN CHALCOGENIDE GLASSY SEMICONDUCTORS
ADP011558	THEORETICAL POSSIBILITY OF INCREASING OF SUPERCONDUCTIVITY TRANSITION TEMPERATURE IN HIGH TEMPERATURE SUPERCONDUCTORS BY REPLACING OXYGEN WITH CHALCOGEN
ADP011559	PHOTOSENSITIVITY IN ANTIMONY BASED GLASSES
ADP011560	THERMO AND PHOTOLUMINESCENCE OF SILICATE LASER GLASS DOPED WITH NEODYMIUM
ADP011561	ANALYSIS OF A-SIO2/ A-SI MULTILAYER STRUCTURES BY ION BEAM METHODS AND ELECTRON SPIN RESONANCE
ADP011562	CHARACTERIZATION OF THE SB2O3 THIN FILMS BY X-RAY SCATTERING
ADP011563	OPTICAL AND ELECTRICAL PROPERTIES OF AS-DEPOSITED LPCVD SIO SUB X N SUB Y THIN FILMS
ADP011588	WAVES AND FIELDS: FROM UNIAXIAL TO BIAXIAL MEDIUMS, IN BETWEEN AND BEYOND
ADP011589	ADDITIONAL BOUNDARY CONDITIONS FOR SPATIALLY DISPERSIVE MEDIA
ADP011590	THE APPLICATION OF ORTHONORMAL ELECTROMAGNETIC BEAMS TO CHARACTERIZING COMPLEX MEDIA

ADP011591	ON THE PROBLEM OF CONSTITUTIVE PARAMETER OF COMPOSITE MATERIALS
ADP011592	HOMOGENIZATION FORMALISMS FOR NONLINEAR PARTICULATE COMPOSITE MEDIUMS
ADP011593	THE INCREMENTAL AND DIFFERENTIAL MAXWELL GARNETT FORMALISMS FOR BIANISOTROPIC COMPOSITES
ADP011594	STRONG-PROPERTY-FLUCTUATION THEORY FOR HOMOGENIZATION OF BIANISOTROPIC COMPOSITES
ADP011595	NUMERICAL STUDIES OF NONLINEAR COMPOSITES
ADP011596	NUMERICAL COMPUTATION OF THE EFFECTIVE QUASISTATIC PERMITTIVITY FOR ISOTROPIC LATTICES OF COMPLEX SHAPED INCLUSIONS
ADP011597	RECONSTRUCTION OF THE CONSTITUTIVE PARAMETERS FOR COMPOSITE MEDIA USING KRAMERS - KRONIG ANALYSIS
ADP011598	SURFACE POLARITONS IN THE SYSTEM OF IDEAL METAL - DIELECTRIC PLATE - VACUUM IN THE CONSTANT ELECTRIC FIELD
ADP011599	NEW TYPES OF ORTHONORMAL ELECTROMAGNETIC BEAMS IN COMPLEX MEDIA AND FREE SPACE
ADP011600	LOCALIZED ELECTROMAGNETIC FIELDS IN COMPLEX MEDIA AND FREE SPACE
ADP011601	POINT SOURCES OF MAGNETOELECTRIC FIELDS
ADP011602	QUASISTATIC MAGNETOELECTRIC PARTICLES: EXPERIMENTAL INVESTIGATION AT MICROWAVE FREQUENCIES
ADP011603	LIGHT BEAMS' FOCUSING IN BIAXIAL FERROELECTRICS
ADP011604	RESONANT MAGNON-PHONON POLARITONS IN A FERRIMAGNET
ADP011605	CHARGE-CARRIER DRIFT INFLUENCE ON THE ELECTROACOUSTIC INTERACTIONS IN PIEZOELECTRIC SEMICONDUCTORS WITH INDUCED CHIRAL PROPERTIES
ADP011606	POLARIZATION STATE TRANSFORMATION OF LASER BEAM PASSING THROUGH QUARTZ CRYSTALS
ADP011607	REFRACTIVE INDICES AND SOME OTHER OPTICAL PROPERTIES OF SYNTHETIC EMERALD: TEMPERATURE DEPENDENCE
ADP011608	A NEW METHOD FOR POSITION LOCATION IN RANDOM MEDIA
ADP011609	EXPERIMENTAL STUDIES OF THE POTENTIALITIES OF BACKSCATTERING DYNAMICAL SPECTROSCOPY FOR INVESTIGATING THE CHARACTERISTICS OF BIOLOGICAL PARTICLES WITH DIFFERENT SHAPE AND SURFACE RELIEF
ADP011610	SECOND HARMONIC LIGHT SCATTERING BY THE EDGE DISLOCATION IN MAGNETIC CRYSTAL
ADP011611	TENSOR POLARIZABILITIES OF MAGNETOELECTRIC PARTICLES ON THE BASE OF STRIP-LINE-COUPLED MAGNETOSTATIC WAVE RESONATORS
ADP011612	HERTZ POTENTIALS IN COMPLEX MEDIUM ELECTROMAGNETICS

ADP011613	ANISOTROPY OF ELECTRICAL PROPERTIES OF MONO-LAYERS OF SPHERICAL PARTICLES LOCATED ON SUBSTRATE
ADP011614	MAGNETOSTIMULATED ANISOTROPY OF CONDUCTIVITY AND CORBINO-LIKE CURRENT IN COMPOSITE CONDUCTORS
ADP011615	SPATIAL INVERSION OF GYROTROPY PARAMETER IN CONDUCTIVITY TENSOR AND CHARGE TRANSPORT PECULIARITIES
ADP011616	RESEARCH OF OPTICAL ACTIVITY AND CIRCULAR DICHROISM IN SOME UNIAXIAL CRYSTALS IN DIRECTIONS DIFFERENT FROM AN OPTICAL AXIS
ADP011617	OPTICAL DICHROISM OF HOMEOTROPICALLY ORIENTED FILMS OF COMB-SHAPED LIQUID CRYSTAL POLYMER
ADP011618	EFFECTIVE CONSTITUTIVE TENSORS OF BIANISOTROPIC MULTILAYERED MEDIUMS
ADP011619	EFFECTIVE PROPERTIES OF MULTILAYERED BIANISOTROPIC SYSTEMS
ADP011620	RESONANT EFFECTIVE PROPERTIES OF PLANE STRATIFIED STRUCTURES
ADP011621	MAGNETIZATION AND GIANT MAGNETORESISTANCE OF THE SYSTEM OF INTERACTING FINE PARTICLES
ADP011622	ANALYTICAL MODELS OF SYSTEMS WITH PHOTOINDUCED SPIRAL SPATIAL MICROSTRUCTURE: INTERACTION WITH POLARIZED OPTICAL RADIATION
ADP011623	A PEDIGREE OF BIANISOTROPIC MEDIA
ADP011624	ONSAGER-CASIMIR PRINCIPLE IN THE THEORY OF BI-ANISOTROPIC MEDIA
ADP011625	GREEN DYADICS FOR SELF-DUAL BI-ANISOTROPIC MEDIA
ADP011626	FILAMENTARY, MY DEAR WATSON
ADP011627	EFFECTIVE BOUNDARY CONDITIONS IN ELECTRODYNAMICS OF NANOSTRUCTURES
ADP011628	SPACE-GUIDES: EFFICIENT THIN-FILM OPTICAL INTERCONNECTS
ADP011629	UBI MATERIA, IBI GEOMETRIA
ADP011630	NONRECIPROCITY AND SPATIAL DISPERSION IN BIANISOTROPIC MEDIA
ADP011631	ELECTROMAGNETIC WAVES IN CHIRAL MEDIA WITH COMPENSATED ANISOTROPY
ADP011632	ON THE CONSTITUTIVE TENSORS FOR BIANISOTROPIC MEDIA
ADP011633	MAGNETO-ELECTRIC JONES BIREFRINGENCE: A BIANISOTROPIC EFFECT
ADP011634	COMPLEX MEDIA IN COMPLEX FIELDS: A STATISTICAL APPROACH
ADP011635	A SPECTRAL BEHAVIOR OF FRACTAL AGGREGATES IN THE QUASI-STATIC APPROXIMATION
ADP011636	MODELING OF NONLINEAR OPTICAL ACTIVITY CHARACTERISTICS OF LAYERED-PERIODIC CRYSTAL STRUCTURES
ADP011637	CHIRAL LOW FREQUENCY RESONANCE ON AN ANISOTROPICALLY CONDUCTIVE CYLINDER WITH A THIN LONGITUDINAL SLOT

ADP011638	SCATTERING AND ABSORPTION PROBLEMS SOLUTION UPON THE 3-D CHIRAL AND BIISOTROPIC OBJECTS
ADP011639	NUMERICAL HOMOGENIZATION STUDIES OF BIAXIAL BIANISOTROPIC COMPOSITE MATERIALS
ADP011640	EIGEN WAVES OF PERIODIC LAYERED STRUCTURE OF COMPLEX ARRAYS
ADP011641	MAGNETIC EIGENMODES IN QD-BASED RESONANT ACTIVE COMPOSITES
ADP011642	NONLINEAR PROPERTIES OF CARBON NANOTUBES IN A STRONG ELECTRIC FIELD
ADP011643	ELECTROMAGNETIC WAVE SCATTERING BY THE EDGE OF A CARBON NANOTUBE
ADP011644	ON MODE SPECTRUM DEGENERATIONS, QUASI-DEGENERATIONS AND MODE POLARIZATION TRANSFORMATIONS IN OPTICAL CHIRAL WAVEGUIDES
ADP011645	A UNIAXIAL CHIRAL SLAB BACKED BY SOFT AND HARD SURFACES USED AS A POLARIZATION TRANSFORMER
ADP011646	ANISOTROPIC ELECTROMAGNETIC PROPERTIES OF RF SPUTTERED NI-AL(2)O(3) COMPOSITE THIN FILMS
ADP011647	DIFFRACTION BY A CONDUCTING HALF-PLANE IN A CHIROPOLARIZABLE MEDIUM
ADP011648	A HYBRID FDFD-BIE APPROACH TO TWO-DIMENSIONAL SCATTERING FROM AN INHOMOGENEOUS BIISOTROPIC CYLINDER
ADP011649	CHARACTERIZATION OF RECTANGULAR WAVEGUIDE WITH A PSEUDOCHIRAL OHMS SLAB
ADP011650	STATIC IMAGE PRINCIPLE FOR THE SPHERE IN BI-ISOTROPIC SPACE
ADP011651	MODELLING PHOTONIC BANDGAP STRUCTURES USING FDTD
ADP011652	OPTICAL FIBRE EMBEDDED IN A COMPOSITE LAMINATED WITH APPLICATIONS TO SENSING
ADP011653	MODE TRANSFORMERS FOR SOFT AND HARD SURFACE WAVEGUIDES BY USING CHIRAL MATERIAL
ADP011654	POLARISABILITY ANALYSIS OF LAYERED BI-ANISOTROPIC ELLIPSOIDS
ADP011655	ELECTROMAGNETIC WAVE PROPAGATION IN CIRCULAR WAVEGUIDE CONTAINING CHIRAL ROD
ADP011656	ELECTROMAGNETIC WAVE SCATTERING BY FRACTAL SURFACE
ADP011657	INHOMOGENEOUS BIANISOTROPIC MATERIALS FOR ANTENNA AND CIRCUIT APPLICATIONS IN MICROWAVE AND MILLIMETRE WAVE RANGES
ADP011658	FABRICATION EFFECTS ON THE RESONANCE BANDWIDTH OF CHIRAL MATERIALS
ADP011659	FARADAY EFFECT AND SELECTIVE REFLECTION OF ELECTROMAGNETIC WAVES IN ABSORBING STRATIFIED PERIODIC MEDIA
ADP011660	BANDWIDTH CONTROL FOR PHOTONIC BANDGAP WAVEGUIDES

ADP011661	RADIATION CONTROL ON A STEP DISCONTINUITY OF A GROUNDED CHIRAL SLAB
ADP011662	POLARIZED SPATIAL SOLITON IN A CHIRAL OPTICAL FIBER
ADP011663	ANALYTICAL AND NUMERICAL STUDY OF REFLECTION OF PLANE WAVES FROM TWO-DIMENSIONAL BIANISOTROPIC ARRAY SUBSTRATED BY A DIELECTRIC SHIELD
ADP011664	INTERACTION OF BIANISOTROPIC PARTICLES AND ENERGY CONSERVATION IN REGULAR ARRAYS
ADP011665	EFFECTS OF ANISOTROPY IN LIGHT SCATTERING BY ANISOTROPIC LAYER AROUND A SPHERICAL PARTICLE IN UNIAXIAL MEDIUM
ADP011666	SWITCHING AND RECTIFICATION OF PHONON POLARITONS OF AN INSULATOR AT ITS BOUNDARY WITH A METAL
ADP011667	SCATTERING AND ABSORPTION BY THIN METAL WIRES IN RECTANGULAR WAVEGUIDE - CHIRAL CRANKS VERSUS NON-CHIRAL STAPLES
ADP011668	MODE SPECTRUM OF CHIRAL RESONATORS
ADP011669	FUNDAMENTAL LIMITATION ON THE PERFORMANCE OF CHIRAL RADAR ABSORBING MATERIALS
ADP011670	REFLECTION FROM A BIANISOTROPIC DIELECTRIC
ADP011671	FREQUENCY SELECTIVE STRUCTURES ON A BIANISOTROPIC SLAB
ADP011672	SINGULAR GUIDED WAVES IN A CHIROPLASMA
ADP011673	ANALYSIS OF REFLECTION OF ELECTROMAGNETIC WAVES BY MULTI-LAYERED ARRAYS OF COMPLEX-SHAPED ELEMENTS: APPLICATION TO ELECTRONICALLY CONTROLLABLE PBG
ADP011674	AN OVERVIEW OF THE THEORY OF WIRE MEDIA
ADP011675	RESONANT RESPONSE OF CHIRO-FERRITE MEDIA UNDER FMR AND CHIRO-FMR CONDITIONS
ADP011676	CHIROPTICAL SPECTROSCOPY OF TURBID MEDIA
ADP011677	BLOCH WAVE APPROACH TO THE OPTICS OF CRYSTALS: THE ROLE OF SPATIAL DISPERSION
ADP011678	TWO-WAVE APPROXIMATION FOR TRANSITION LAYER OF INHOMOGENEOUS MEDIA
ADP011679	DEPOLARIZATION DYADICS
ADP011680	EXACT AND APPROXIMATE MODELING OF HELICES WITH CORE
ADP011730	FIELD EMISSION STUDIES FOR MICROWAVE AND OPTICAL WAVE GENERATION
ADP011731	NARROW-LINEWIDTH INTERWELL THZ INTERSUBBAND EMISSION
ADP011732	PLASMA INSTABILITY AND TERAHERTZ OSCILLATIONS IN RESONANT-TUNNELING TRANSISTORS
ADP011733	FEASIBILITY OF A $Si(1-x)Ge(x)$ THZ RESONANT-STATE LASER

ADP011734	THE COPPER-DOPED P-GE THZ LASER IN THE VOIGT CONFIGURATION: POSSIBILITY OF MODE-LOCKED OPERATION
ADP011735	THZ SOURCES BASED ON SEMICONDUCTOR QUANTUM STRUCTURES
ADP011736	THERMAL RECEIVER DETECTABLE THZ RADIATION FROM AN INAS IRRADIATED WITH 1.04-MICROMETERS FEMTOSECOND FIBER LASER IN A 2-T PERMANENT MAGNET
ADP011737	FREQUENCY DIFFERENCE GENERATION IN THE TERAHERTZ REGION USING LTG-GAAS PHOTODETECTOR
ADP011738	SELF-GENERATION OF ULTRA-SHORT PULSES IN A CAVITY WITH A DIELECTRIC MIRROR EXCITED BY AN ARRAY OF ACTIVE THZ DEVICES
ADP011739	MODELLING OF MICROMACHINED KLYSTRONS FOR TERAHERTZ OPERATION
ADP011740	OBSERVATION OF THZ OSCILLATIONS AND EFFICIENT THZ EMISSION FROM CONTACTED LOW TEMPERATURE GROWN GAAS STRUCTURES
ADP011741	STUDY OF TERAHERTZ RADIATION FROM NARROW BANDGAP SEMICONDUCTORS: INAS AND INSB
ADP011742	FREQUENCY TRIPLER WITH ANTI-SERIAL SCHOTTKY DIODES
ADP011743	2-D DESIGN OF SCHOTTKY DIODES
ADP011744	A NOVEL EVOLUTIONARY APPROACH FOR THE ANALYSIS AND OPTIMIZATION OF THZ NONLINEAR CIRCUITS
ADP011745	CRYOGENIC OPERATION OF GAAS BASED MULTIPLIER CHAINS TO 400 GHZ
ADP011746	ULTRABROADBAND DETECTION OF TERAHERTZ RADIATION UP TO 20 THZ WITH AN LT-GAAS PHOTOCONDUCTIVE ANTENNA GATED BY A 15-FS LASER PULSES
ADP011747	ULTRAFAST, ULTRA-BROADBAND SUPERLATTICE DETECTOR FOR THZ RADIATION
ADP011748	TERAHERTZ SPECTRAL ANALYSIS BY FREQUENCY-SELECTIVE INCOHERENT DETECTION IN HIGH-T(C) JOSEPHSON JUNCTIONS
ADP011749	WIDE BANDWIDTH FAR-INFRARED MIXING USING A HIGH-T(C) SUPERCONDUCTING BOLOMETER
ADP011750	TECHNOLOGICAL NEEDS FOR EUROPEAN SPACE AGENCY'S MICROWAVE LIMB SOUNDERS
ADP011751	A BROADBAND LOW NOISE HETERODYNE RECEIVER AT 2.5 THZ
ADP011752	220-320 GHZ HARMONIC MIXER FOR A FULL BAND SWEEP VECTOR NETWORK ANALYZER
ADP011753	PERFORMANCE OF THE PHONON-COOLED HOT-ELECTRON BOLOMETRIC MIXER BETWEEN 0.7 THZ AND 5.2 THZ
ADP011754	THE DESIGN AND ANALYSIS OF ANTIPARALLEL SCHOTTKY DIODE MIXERS
ADP011755	SPACE-BASED APPLICATIONS OF FAR-INFRARED SYSTEMS
ADP011756	TECHNOLOGICAL DEVELOPMENTS FOR THZ ELECTRONICS

ADP011757	HARMONIC MIXING EFFECTS IN SCHOTTKY DIODE HARMONIC MIXERS AT THZ FREQUENCIES
ADP011758	SIS RECEIVER NOISE STABILITY
ADP011759	PROGRESS IN HETEROSTRUCTURE BARRIER VARACTOR FREQUENCY MULTIPLIERS
ADP011760	ANALYSIS AND MEASUREMENT OF A MILLIMETER-WAVE HOLOGRAPHIC POWER COMBINER FOR 5 IMPATT OSCILLATORS
ADP011761	POLYMERIC DIELECTRIC MIRRORS FOR THE SUB-MILLIMETER WAVELENGTH RANGE
ADP011762	COHERENT AND INCOHERENT PHASE RETRIEVAL USING GAUSSIAN BEAM MODES
ADP011763	MICROMACHINING AND INTEGRATION OF TERAHERTZ COMPONENTS
ADP011764	THIN FILM ANTENNAS FOR MILLIMETER AND SUBMILLIMETER WAVE RADIATION
ADP011765	LOW-DISPERSIVE COPLANAR WAVEGUIDES AND THIN-FILM MICROSTRIP LINES FOR SUB-MM WAVE MONOLITHIC INTEGRATION
ADP011766	TUNEABLE INTERFEROMETRIC BANDPASS AND BANDSTOP FILTERS FOR TERAHERTZ APPLICATIONS
ADP011767	MICROMACHINED PLANAR ANTENNAS FOR D-BAND FREQUENCIES
ADP011768	IMAGING TECHNOLOGIES IN THE MILLIMETER WAVE REGION
ADP011769	IMAGING OF PHOTOEXCITED CARRIER DISTRIBUTION IN SEMICONDUCTORS BY THZ BEAMS
ADP011770	THZ IMAGING OF CARRIER CONCENTRATION AND MOBILITY IN SILICON
ADP011771	DEVELOPMENT OF A MM-WAVE IMAGING SYSTEM FOR THE W7-AS FUSION EXPERIMENT
ADP011772	FOURIER TRANSFORM THZ-WAVE SPECTROMETER USING THZ-WAVE PARAMETRIC GENERATOR
ADP011773	A 150 GHZ FULLY-INTEGRATED MMIC SCHOTTKY-MIXER ARRAY
ADP011774	LASER MICROMACHINING OF THZ COMPONENTS
ADP011775	A ONE-DIMENSIONAL PHOTONIC BANDGAP SYSTEM AS HIGH-REFLECTIVITY MIRROR FOR MICROWAVE AND THZ APPLICATIONS
ADP011776	AN ANALYTICAL SOLUTION TO DIFFRACTION PROBLEMS INVOLVING PERIODICALLY STRUCTURED OBJECTS
ADP011777	AN OPTOELECTRONIC CW THZ SOURCE FOR IMAGING APPLICATIONS
ADP011778	ANALYSIS AND DESIGN OF QUASI-OPTICAL FILTERS
ADP011779	ATTEMPT TO GENERATE NARROW LINEWIDTH, CW TERAHERTZ RADIATION BY USING OPTICAL FREQUENCY COMB

ADP011780	CONTINUOUSLY TUNABLE THZ-WAVE GENERATION FROM GAP CRYSTAL BY DIFFERENCE FREQUENCY MIXING WITH A DUAL-WAVELENGTH KTP-OPO
ADP011781	COPLANAR FED MICROMACHINED PLANAR ANTENNAS FOR POWER COMBINING APPLICATIONS AT D-BAND FREQUENCIES
ADP011782	DESIGN AND SIMULATION OF A 600 GHZ RTD OSCILLATOR USING COMMERCIAL HARMONIC BALANCE SOFTWARE
ADP011783	A NEW METHOD TO MEASURE THE SHAPE OF SHORT THZ PULSES: DIFFERENTIAL ELECTRONIC GATING
ADP011784	ELECTRICAL DETECTION OF THZ FREQUENCIES BY ASYMMETRICALLY SHAPED N-N(+)-GAAS DIODES
ADP011785	FAST PHYSICAL OPTICS SIMULATION OF THE DUAL-REFLECTOR SUBMILLIMETRE-WAVE TELESCOPE ON THE ESA PLANCK SURVEYOR
ADP011786	FROM HONEY-COMB TO SMMIC: SCHOTTKY DIODES AT TU DARMSTADT
ADP011787	HIGH DUTY CYCLE GERMANIUM LASERS AND CONTINUOUS TERAHERTZ EMISSION FROM GERMANIUM
ADP011788	III-V MATERIAL SYSTEMS FOR HETEROSTRUCTURE BARRIER VARACTORS
ADP011789	AN INGAAS/INALAS SUPERLATTICE OSCILLATOR FOR FREQUENCIES ABOVE 100 GHZ
ADP011790	INTEGRATED 150 GHZ SILICON IMPATT DIODES FOR POWER COMBINING APPLICATIONS
ADP011791	SUBMILLIMETER-WAVE NONRECIPROCAL PROPAGATION CHARACTERISTICS IN TRANSVERSELY MAGNETIZED IMAGE GUIDE AND TWO-LAYER PARALLEL-PLATE WAVEGUIDE CONTAINING P- OR N-INSB SLAB
ADP011792	PHASE NOISE ESTIMATION FOR THZ RADIATION FROM RTDS AND OTHER SOLID-STATE SOURCES
ADP011793	POWER GENERATION IN WAVEGUIDE AND QUASI-OPTICAL TECHNOLOGIES USING HYBRID CIRCUITS AT MILLIMETRE WAVES
ADP011794	RIDGED WAVEGUIDE BANDPASS FILTER FOR TERAHERTZ APPLICATIONS
ADP011795	SLOT-ANTENNA COUPLED MICROBOLOMETER ARRAYS FOR THZ RADIATION
ADP011796	SPATIAL PATTERN FORMATION OF OPTICALLY EXCITED CARRIERS IN PHOTOCONDUCTIVE THZ ANTENNAS
ADP011797	TEMPERATURE DEPENDENCE OF LOW ENERGY CARRIER DYNAMICS OF SILICON BY TERAHERTZ TIME DOMAIN SPECTROSCOPY
ADP011798	THZ WAVE GENERATION BY DIFFERENCE FREQUENCY MIXING IN PHOTONIC CRYSTAL CAVITY
ADP011799	NONLINEAR RESPONSE OF A SUPERLATTICE
ADP011800	GAS PHASE SYNTHESIS OF NANOSTRUCTURED FILMS AND COATINGS
ADP011801	ELECTRODEPOSITED NANOSTRUCTURED FILMS AND COATINGS: SYNTHESIS, STRUCTURE, PROPERTIES AND APPLICATIONS

ADP011802	NANOSTRUCTURED CARBON COATINGS
ADP011803	SEMICONDUCTOR QUANTUM DOT HETEROSTRUCTURES (GROWTH AND APPLICATIONS)
ADP011804	CHEMICAL PROCESSING OF NANOSTRUCTURED COATINGS
ADP011805	NANOSTRUCTURED COATINGS OF INNER SURFACES IN MICROPOROUS MATRIXES
ADP011806	ELECTROLESS DEPOSITED NANOSTRUCTURED NICO FILMS
ADP011807	NANOSCALED MAGNETIC ELECTRODEPOSITED STRUCTURES ON THE BASIS OF ION GROUP METALS: PREPARATION, STRUCTURE, MAGNETIC AND MAGNETORESISTIVE PROPERTIES
ADP011808	NANODISPERSED REFRACTORY COMPOUNDS IN THE ELECTRODEPOSITED METAL COATINGS
ADP011809	THERMAL SPRAYED NANOSTRUCTURED HARD COATINGS
ADP011810	SYNTHESIS AND CHARACTERIZATION OF NANOCOMPOSITE COATINGS
ADP011811	NANO-ENGINEERED THERMOELECTRIC COATING
ADP011812	PHOTOLUMINESCENCE FROM PRESSURE - ANNEALED NANOSTRUCTURED SILICON DIOXIDE AND NITRIDE FILMS
ADP011813	COPT AND FEPT THIN FILMS FOR HIGH DENSITY RECORDING MEDIA
ADP011814	UNIDIRECTIONAL ANISOTROPY IN MANGANITE BASED FERROMAGNETIC-ANTIFERROMAGNETIC MULTILAYERS
ADP011815	SURFACE CHARACTERIZATION OF NANOSTRUCTURED COATINGS: STUDY OF NANOCRYSTALLINE SNO ₂ GAS SENSORS
ADP011816	PHASE DIFFERENTIATION AND CHARACTERIZATION OF NANOSTRUCTURED COMPOSITES BY SYNCHROTRON RADIATION TECHNIQUES
ADP011817	X-RAY STUDY OF MICROSTRUCTURE AND GRAIN BOUNDARY STATISTICS IN NANOCRYSTALLINE MATERIALS
ADP011818	XRD STRAIN AND STRESS DETERMINATION IN NANOSTRUCTURED FILMS AND COATINGS
ADP011819	INTERFACES IN NANOSTRUCTURED FILMS AND COATINGS
ADP011820	NANOSCALE ELASTIC PROPERTIES OF DISLOCATIONS AND DISCLINATIONS
ADP011821	STUDY OF POROUS SILICON FORMATION AND SILICON-ON-POROUS SILICON EPITAXY (COMPUTATIONAL MODELLING)
ADP011822	EVOLUTION OF PHASE COMPOSITION AND ASSOCIATED PROPERTIES IN THE PROCESS OF GROWTH OF NANOSTRUCTURED FILMS
ADP011823	REVIEW OF FATIGUE OF COATINGS/SUBSTRATES
ADP011824	NANOINDENTATION/NANOSCRATCHING AND STRESS STUDIES IN MONOLITHIC AND NANOLAYERED AMORPHOUS CARBON FILMS

ADP011825	FORMATION OF NANOSTRUCTURED SURFACE REGIONS UNDER A CONCENTRATED LOAD
ADP011826	NON-DESTRUCTIVE MECHANICAL CHARACTERISATION OF MECHANICAL PROPERTIES OF NON-HOMOGENEOUS NANOSTRUCTURED COATINGS
ADP011827	HIGH REFRACTIVE INDEX SI/SIOX BASED NANOCOMPOSITES
ADP011828	PREPARATION AND CHARACTERISATION OF METALLIC THIN FILMS FOR ELECTROLUMINESCENT DEVICES BASED ON POROUS SILICON
ADP011829	PHOTOELECTROCHEMICAL BEHAVIOR OF CHLOROPHYLL A IN THIN FILMS
ADP011830	LEAN-BURN NATURAL GAS ENGINE EXHAUST REMEDIATION USING NANOSTRUCTURED CATALYSTS AND COATINGS
ADP011831	POLYMER-LAYERED SILICATE NANOCOMPOSITES: EMERGING SCIENTIFIC COMMERCIAL OPPORTUNITIES
ADP011832	OFFICE OF NAVAL RESEARCH INITIATIVE ON WEAR RESISTANT NANOSTRUCTURED MATERIALS
ADP011833	STATUS OF OPTICAL DISK STANDARDS AND COPY PROTECTION TECHNOLOGY
ADP011834	DISK INSPECTION SYSTEM BY TWO DIMENSIONAL BIREFRINGENCE DISTRIBUTION MEASUREMENT
ADP011835	STATIC TESTER FOR CHARACTERIZATION OF OPTICAL NEAR-FIELD COUPLING PHENOMENA
ADP011836	OPTICAL AND THERMAL PROPERTIES OF SINX FOR MO DISKS
ADP011837	PERSPECTIVE AND FUTURE OF DVD-RAM
ADP011838	REMOVAL OF HALL SENSOR OFFSET TO ACHIEVE STABLE SPINDLE-MOTOR LOOP IN A CD SYSTEM
ADP011839	LIQUID CRYSTAL ABERRATION COMPENSATION DEVICES
ADP011840	MULTI-LEVEL RECORDING IN ERASABLE PHASE-CHANGE MEDIA BY LIGHT INTENSITY MODULATION
ADP011841	ADAPTIVE-SPEED QUASI-CAV ALGORITHM IN A CD-RW DRIVE
ADP011842	THREE-DIMENSIONAL MEMORY
ADP011843	READOUT CHARACTERISTICS AND MECHANISM OF LIGHT-SCATTERING-MODE SUPER-RENS DISKS
ADP011844	OPTICAL DISK MASTERING USING OPTICAL SUPER RESOLUTION EFFECT
ADP011845	FABRICATION AND CHARACTERIZATION OF THIN FERROELECTRIC INTERFEROMETERS FOR LIGHT MODULATION
ADP011846	STREAM CIPHER BASED ON PSEUDO-RANDOM NUMBER GENERATION USING OPTICAL AFFINE TRANSFORMATION
ADP011847	NEAR-FIELD OPTICAL DATA STORAGE: AVENUES FOR IMPROVED PERFORMANCE

ADP011848	AMPLITUDE AND PHASE APODIZATION CAUSED BY FOCUSING LIGHT THROUGH AN EVANESCENT GAP IN SIL RECORDERS
ADP011849	EXIT PUPIL PATTERNS FROM OPTICAL DISKS
ADP011850	POLARIZATION ANALYSES OF READOUT SIGNALS IN PHASE CHANGE MATERIAL INCORPORATING A SOLID IMMERSION LENS (SIL)
ADP011851	A HIGH SPEED FINGER-PRINT OPTICAL SCANNING METHOD
ADP011852	CHINESE SEAL RECOGNITION USING HYBRID ELECTRO-OPTICAL FILTER
ADP011853	EFFECT OF GRATING DETUNING ON VOLUME HOLOGRAPHIC MEMORY USING PHOTOPOLYMER STORAGE MEDIA: REFLECTION HOLOGRAMS
ADP011854	ALL-OPTICAL LOGIC DEVICE USING BENT NONLINEAR WAVEGUIDE STRUCTURE
ADP011855	NONUNIFORM QUANTIZATION FOR DIFFRACTIVE OPTICAL ELEMENTS DESIGN
ADP011856	COMPARISON OF TWO 1550 NM ULTRA NARROW-BAND OPTICAL INFINITE IMPULSE RESPONSE FILTERS FOR HIGH-SPEED OPTICAL SIGNAL PROCESSING
ADP011857	POLARIZED DIFFRACTIVE OPTICAL ELEMENT DESIGN FOR A MULTIPLE-BEAM OPTICAL PICKUP HEAD
ADP011858	DIFFRACTIVE PHASE ELEMENT FOR REDUCING A DIAMETER OF MAIN-LOBE OF A FOCAL SPOT
ADP011859	A NOVEL SPECKLE ANGULAR-SHIFT MULTIPLEXING FOR HIGH-DENSITY HOLOGRAPHIC STORAGE
ADP011860	DESIGN AND IMPLEMENTATION OF A NEW TWO-WAY OPTO-ELECTRONIC PROBE FOR OPTICAL INFORMATION PROCESSING COMPONENTS ANALYSIS
ADP011861	DEVELOPMENT OF REWRITABLE DUAL-LAYER PHASE-CHANGE OPTICAL DISKS
ADP011862	LCD DIFFRACTIVE ELEMENT DESIGN TO HANDLE MULTIPLE DISK THICKNESSES
ADP011863	REALIZATION OF INFRARED WIRELESS LOCAL AREA NETWORK
ADP011864	THE SERVO CHARACTERISTICS OF SINGLE-PHASE SPINDLE MOTOR IN DVD-ROM
ADP011865	THE SCOPE OF THE ZNO GROWTH
ADP011866	THE INFLUENCE OF MECHANICAL STRESS ON THE GROWTH OF CRYSTALS
ADP011867	CRYSTAL GROWTH OF NEW FUNCTIONAL MATERIALS FOR ELECTRO-OPTICAL APPLICATIONS
ADP011868	POSSIBILITIES AND LIMITATIONS OF MULTIOXIDES CRYSTALS GROWTH
ADP011869	SINGLE-DOMAIN HTC SUPERCONDUCTING MATERIALS SYNTHESIS: BAZRO3 SUBSTRATES AS A TOOL FOR OPTIMIZED SYSTEMS
ADP011870	VERY HIGH QUALITY CRYSTALS OF WIDE-GAP II-VI SEMICONDUCTORS: WHAT FOR?

ADP011871	ANNEALING OF GASB SINGLE CRYSTALS IN IONISED HYDROGEN ATMOSPHERE
ADP011872	GROWTH AND STRUCTURE OF STRONTIUM DOPED LAGAO3
ADP011873	AL-CU-CO SINGLE QUASICRYSTALS OBTAINED BY THE METHOD OF INCLINED FRONT CRYSTALLISATION
ADP011874	CORRELATION OF CU AND V SUB ZN CONCENTRATION WITHIN THE DIFFUSION REGION OF ZNSE MONOCRYSTALS
ADP011875	CHROMIUM RECHARGING PROCESSES IN THE Y3AL5O12: MG, CR SINGLE CRYSTAL UNDER THE REDUCING AND OXIDIZING ANNEALING INFLUENCE
ADP011876	OPTICAL PROPERTIES OF DOPED POTASSIUM GADOLINIUM TUNGSTATE SINGLE CRYSTALS
ADP011877	OPTICAL PROPERTIES OF SOME BORATE SINGLE CRYSTALS
ADP011878	PECULIARITIES OF THE THERMAL DONOR FORMATION IN CZOCHRALSKI GROWN SILICON UNDER HIGH HYDROSTATIC PRESSURE
ADP011879	EFFECT OF SILICON MICROSTRUCTURE ON STRESS - STIMULATED CREATION OF THERMAL DONORS
ADP011880	THE EFFECT OF HIGH PRESSURE - HIGH TEMPERATURE TREATMENT ON NEUTRON IRRADIATION INDUCED DEFECTS IN CZOCHRALSKI SILICON
ADP011881	TWO-DIMENSIONAL MODEL OF THE INTRINSIC POINT DEFECTS BEHAVIOUR DURING CZ SILICON CRYSTALS GROWTH
ADP011882	STUDY OF MATERIAL BEHAVIOR IN DAC: SYSTEM SI-O (SIOX) AND COMPOUND FE78MN20SI2
ADP011883	INVESTIGATION OF SYSTEM SI-O (SIOX) BEHAVIOR IN DAC AT SUBMEGABAR PRESSURE
ADP011884	INVESTIGATION OF AS-GROWN NITROGEN-DOPED CZOCHRALSKI SILICON
ADP011885	EFFECT OF STRESS IN DEFECT TRANSFORMATION IN HYDROGEN IMPLANTED SILICON AND SOI STRUCTURES
ADP011886	MOLECULAR SIMULATIONS OF CONCENTRATED AQUEOUS SOLUTIONS: IONIC EQUILIBRIUM STRUCTURES IN SOLUTIONS
ADP011887	DYNAMICS OF DIFFUSION-CONTROLLED RECOMBINATION OF IONS IN IONIC SOLUTIONS. LIMITS OF VALIDITY OF THE DEBYE - SMOLUCHOWSKI EQUATION
ADP011888	SIMPLE MODELS FOR CRYSTALLISATION PROCESSES
ADP011889	TRANSIENT SURFACE SUPERSATURATION AFTER CRYSTAL SUBMERSION (II)
ADP011890	THEORY OF BEHAVIOR OF IONIZED HYDROGEN IN GASB CRYSTAL STRUCTURE
ADP011891	DYNAMICS AND THERMODYNAMICS OF QUANTUM CRYSTALS NEAR THE INSTABILITY POINT IN THE SELF-CONSISTENT PHONON THEORY
ADP011892	CALCULATIONS OF THIRD-ORDER ELECTRONIC SUSCEPTIBILITY OF ALKALI HALIDES
ADP011893	GD(3+)-YB(3+) EXCHANGE INTERACTIONS IN LIYB(X)Y(1-X)F4 SINGLE CRYSTALS

ADP011894	CRYSTAL LATTICE DYNAMICS OF VARIOUS SILICON-CARBIDE POLYTYPES
ADP011895	THEORETICAL MODEL OF CARRIER FLOW PROCESS ON BOUNDARY OF ELECTRODE-DYE LAYER
ADP011896	SEMICONDUCTOR SURFACE CHARACTERIZATION BY SCANNING PROBE MICROSCOPES
ADP011897	THE PHASE TRANSITIONS IN DOUBLE TUNGSTATE IN EXTREMELY LOW-DIMENSIONAL AND LOW-SYMMETRY COMPOUNDS WITH COOPERATIVE JAHN-TELLER EFFECT
ADP011898	INVESTIGATION OF THERMAL ANNEALING BY GAMMA IRRADIATION AT ROOM TEMPERATURE IN LINBO3 CRYSTALS
ADP011899	MONOCRYSTALS AG3SBS3: INVESTIGATION OF ELECTRICAL CHARACTERISTICS
ADP011900	CHARGE TRAPS AND EMISSION KINETICS IN LUAP:CE
ADP011901	ENERGY TRANSFER PROCESSES IN (LU,GD)ALO3:CE
ADP011902	THERMAL FIXING OF HOLOGRAPHIC GRATINGS IN NEARLY STOICHIOMETRIC LINBO3 CRYSTALS
ADP011903	HIGH TEMPERATURE PROPERTIES OF THE FCC METALLIC CRYSTALS IN THE ANHARMONIC APPROXIMATION
ADP011904	INVESTIGATION OF HIGH-ENERGETIC TRANSITIONS IN SOME PR3+-DOPED FLUORIDE AND OXIDE CRYSTALS
ADP011905	CRYSTAL FIELD STUDY OF GD(3+)-DOPED LA(X)RE(1-X)F3 (RE=CE,PR,ND) SINGLE CRYSTALS
ADP011906	PIXE AND MAGNETIC INVESTIGATIONS OF LA(X)RE(1-X)F3 (RE = CE, ND) SINGLE CRYSTALS
ADP011907	NON-LINEAR I-V CHARACTERISTICS AND THRESHOLD SWITCHING IN AS-TE-IN GLASSES
ADP011908	IRRADIATION EFFECT ON THE PINNING POTENTIAL OF YBCO SINGLE CRYSTAL
ADP011909	LOWER CRITICAL FIELDS IN BKBO SINGLE CRYSTALS
ADP011910	DETERMINING OF THE MATERIAL PARAMETERS OF ZN(X)CD(Y)HG(1-X-Y)TE BY THE MAGNETOPHONON SPECTROSCOPY
ADP011911	MAGNETIC ORDERING OF DY(3+) ION IN LOW-DIMENSIONAL CSDY(WO4)2 DOUBLE TUNGSTATE
ADP011912	STUDIES OF MANGANITES BY MAGNETIC RESONANCE SPECTROSCOPY METHODS
ADP011913	EFFECT OF PRESSURE AND MAGNETIC FIELD ON THE PHASE TRANSITIONS IN LANTHANUM-DEFICIENT MANGANITES
ADP011914	OPTICAL PROPERTIES OF POTASSIUM ERBIUM DOUBLE TUNGSTATE KER(WO4)2
ADP011915	PHOTOINDUCED OPTICAL EFFECTS IN BIB3O6 GLASS

ADP011916	THE INFLUENCE OF THE GROWTH CONDITIONS ON THE ELASTIC PROPERTIES OF SRLAALO4 AND SRLAGAO4 CRYSTALS STUDIED BY BRILLOUIN LIGHT SCATTERING
ADP011917	TEMPERATURE, ABSORPTION AND EXCITATION STUDY OF THE A(1-X)B(X)C CRYSTALS BY RAMAN SCATTERING METHODS
ADP011918	THERMAL IONIZATION ENERGY OF MG ACCEPTORS IN GAN: EFFECTS OF DOPING LEVEL AND COMPENSATION
ADP011919	STUDY OF THE ELASTIC AND ELASTOOPTIC PROPERTIES OF ZN(1-X)BE(X)SE MIXED CRYSTALS BY BRILLOUIN SCATTERING METHOD
ADP011920	CORRELATION OF DOMAIN STRUCTURE OF TGS SINGLE CRYSTALS DOPED WITH SERINE WITH ITS DIELECTRIC PROPERTIES - NEW CONSTRUCTED COMPUTER MEASURING SYSTEM FOR QUANTITY ANALYSIS OF DOMAIN IMAGES
ADP011921	EXCITED STATE ABSORPTION OF THE CR(6+)O(2-) CENTER IN LI2B4O7 GLASS
ADP011922	MODELING OF THE CARRIER MOBILITY AT THE SILICON OXYNITRIDE-SILICON INTERFACE
ADP011923	ANALYSIS OF THE TRANSIENT RESPONSE OF MIS CIRCUITS USING PSEUDO-WAVELET APPROACH
ADP011924	SENSITIVITY OF SURFACE ACOUSTIC WAVES DEVICES
ADP011925	NONLINEAR OPTICAL PROPERTIES IN ZNSE CRYSTALS
ADP011926	GROWTH AND CHARACTERIZATION OF SINGLE CRYSTALS OF TERNARY CHALCOGENIDES FOR LASER APPLICATIONS
ADP011927	RADIO- AND VUV - EXCITED LUMINESCENCE OF YAP:CE, YAP:PR AND YAG:PR
ADP011928	CRYSTAL GROWTH AND OPTICAL PROPERTIES OF CO2+ DOPED SRLAGA3O7
ADP011929	CONTROLLING OF THE CHARGE STATES IN LASER CRYSTALS
ADP011930	ON GROWTH AND DIELECTRIC PROPERTIES OF CA4GDO(BO3)3 SINGLE CRYSTALS
ADP011931	THE CZOCHRALSKI GROWTH AND CHARACTERIZATION OF SRLAGA3O7:HO(3+) SINGLE CRYSTALS
ADP011932	RELAXATION DYNAMICS OF EXCITED STATES OF ER(3+) IN YVO4 SINGLE CRYSTALS
ADP011933	STOKES AND ANTI STOKES LUMINESCENCE IN LITAO3:HO
ADP011934	OPTICAL PROPERTIES OF LI2B4O7 GLASSES DOPED WITH RARE-EARTHS AND TRANSITION METAL IONS
ADP011935	X-RAY STUDY OF ND: YAG ON (111)-ORIENTED SI OBTAINED BY PULSED LASER DEPOSITION
ADP011936	EFFECT OF DIVERGENCE OF LIGHT WAVE AND ALIGNMENT OF CRYSTAL ON THE RESPONSE OF ELECTROOPTIC MODULATORS
ADP011937	INVESTIGATIONS OF YAG:ER(3+),YB(3+) AND YAG:CO(2+) CRYSTALS FOR LASER

	APPLICATIONS
ADP011967	EXTENDING LAWSON'S ALGORITHM TO INCLUDE THE HUBER M-ESTIMATOR
ADP011968	A SEGMENTATION METHOD UNDER GEOMETRIC CONSTRAINTS AFTER PRE-PROCESSING
ADP011969	BUILDING ADAPTIVE MULTIREOLUTION SCHEMES WITHIN HARTEN'S FRAMEWORK
ADP011970	A RECURSIVE APPROACH TO THE CONSTRUCTION OF K-BALANCED BIORTHOGONAL MULTIFILTERS
ADP011971	FAST EVALUATION OF RADIAL BASIS FUNCTIONS: A MULTIVARIATE MOMENTARY EVALUATION SCHEME
ADP011972	POLYHARMONIC SPLINES IN RD: TOOLS FOR FAST EVALUATION
ADP011973	CONSTRUCTIVE APPROXIMATION BY (V,F)-REPRODUCING KERNELS
ADP011974	ADAPTIVE WAVELET GALERKIN METHODS ON DISTORTED DOMAINS: SETUP OF THE ALGEBRAIC SYSTEM
ADP011975	SCATTERED DATA NEAR-INTERPOLATION WITH APPLICATION TO DISCONTINUOUS SURFACES
ADP011976	ON A METHOD OF NUMERICAL DIFFERENTIATION
ADP011977	RIDGELETS AND THEIR DERIVATIVES: REPRESENTATION OF IMAGES WITH EDGES
ADP011978	CURVELETS: A SURPRISINGLY EFFECTIVE NONADAPTIVE REPRESENTATION FOR OBJECTS WITH EDGES
ADP011979	BASES IN FUNCTION SPACES ON COMPACT SETS
ADP011980	A NOTE ON CONVOLVING REFINABLE FUNCTION VECTORS
ADP011981	INTERPOLATING POLYNOMIAL MACRO-ELEMENTS WITH TENSION PROPERTIES
ADP011982	QUANTIZED FRAME DECOMPOSITIONS
ADP011983	CUBIC SPLINE INTERPOLATION ON NESTED POLYGON TRIANGULATIONS
ADP011984	STABLE LOCAL NODAL BASES FOR C1 BIVARIATE POLYNOMIAL SPLINES
ADP011985	ON LACUNARY MULTIREOLUTION METHODS OF APPROXIMATION IN HILBERT SPACES
ADP011986	INTERPOLATION WITH CURVATURE CONSTRAINTS
ADP011987	A B-SPLINE TENSOR FOR VECTORIAL QUASI-INTERPOLANT
ADP011988	ANALYSIS OF SCALAR DATASETS ON MULTI-RESOLUTION GEOMETRIC MODELS
ADP011989	BIORTHOGONAL REFINABLE SPLINE FUNCTIONS
ADP011990	FITTING PARAMETRIC CURVES TO DENSE AND NOISY POINTS
ADP011991	SMOOTH IRREGULAR MESH INTERPOLATION

ADP011992	MULTI-LEVEL APPROXIMATION TO SCATTERED DATA USING INVERSE MULTIQUADRICS
ADP011993	BEST APPROXIMATION ALGORITHMS: A UNIFIED APPROACH
ADP011994	ON CURVE INTERPOLATION IN RD
ADP011995	INTERPOLATING INVOLUTE CURVES
ADP011996	INTERPOLATION FROM LAGRANGE TO HOLBERG
ADP011997	LOCAL APPROXIMATION ON MANIFOLDS USING RADIAL FUNCTIONS AND POLYNOMIALS
ADP011998	CHARACTERIZATIONS OF NATIVE SPACES
ADP011999	REVIEW OF SOME APPROXIMATION OPERATORS FOR THE NUMERICAL ANALYSIS OF SPECTRAL METHODS
ADP012000	H-BASES I: THE FOUNDATION
ADP012001	H-BASES II: APPLICATIONS TO NUMERICAL PROBLEMS
ADP012002	DEPENDENCE STRUCTURE OF RANDOM WAVELET COEFFICIENTS IN TERMS OF CUMULANTS
ADP012003	INTERPOLATING FUNCTIONS ON LINES IN 3-SPACE
ADP012004	NUMERICAL TECHNIQUES BASED ON RADIAL BASIS FUNCTIONS
ADP012005	PARAMETRIC POLYNOMIAL CURVES OF LOCAL APPROXIMATION OF ORDER 8
ADP012006	A B-SPLINE APPROACH TO HERMITE SUBDIVISION
ADP012007	AN INTERPOLATION METHOD WITH WEIGHTS AND RELAXATION PARAMETERS
ADP012008	ON PROPERTIES OF CONTOURS OF TRILINEAR SCALAR FIELDS
ADP012009	NON-STATIONARY SUBDIVISION FOR INHOMOGENEOUS ORDER DIFFERENTIAL EQUATIONS
ADP012010	FACTORIZATIONS OF NORMALIZED TOTALLY POSITIVE SYSTEMS
ADP012011	INTERSECTIONS ET CONVERGENCE
ADP012012	IMPLICITIZATION MATRICES IN THE STYLE OF SYLVESTER WITH THE ORDER OF BEZOUT
ADP012013	BETTER PASTING VIA QUASI-INTERPOLATION
ADP012014	CONJUGATE SILHOUETTE NETS
ADP012015	FROM PS-SPLINES TO NURPS
ADP012016	DISTANCE CALCULATION BETWEEN A POINT AND A NURBS SURFACE
ADP012017	CURVES FROM MOTION, MOTION FROM CURVES
ADP012018	CURVATURE AND TANGENCY HANDLES FOR CONTROL OF CONVEX CUBIC SHAPES
ADP012019	MONOTONICITY CONDITIONS OF CURVATURE FOR BEZIER-DE CASTELJAU CURVES

ADP012020	FROM LOCAL APPROXIMATION TO A G1 GLOBAL REPRESENTATION
ADP012021	A CLASS OF TOTALLY POSITIVE BLENDING B-BASES
ADP012022	RATIONAL RULED SURFACES PASSING THROUGH TWO FIXED LINES
ADP012023	DEFORMATION CRITERIA FOR THE DIRECT MANIPULATION OF FREE FORM SURFACES
ADP012024	GENERATION OF SURFACES WITH SMOOTH HIGHLIGHT LINES
ADP012025	MIPS: AN EFFICIENT GLOBAL PARAMETRIZATION METHOD
ADP012026	COMPARISON OF DIFFERENT MULTISIDED PATCHES USING ALGEBRAIC GEOMETRY
ADP012027	N-SIDED SURFACE GENERATION FROM ARBITRARY BOUNDARY EDGES
ADP012028	ADVANTAGES OF TOPOLOGICAL TOOLS IN LOCALIZATION METHODS
ADP012029	FAST VORONOI DIAGRAMS AND OFFSETS ON TRIANGULATED SURFACES
ADP012030	ON THE GEOMETRY OF TEXTURE
ADP012031	OPTIMIZATION OF A CURVE APPROXIMATION BASED ON NURBS INTERPOLATION
ADP012032	FILLING N-SIDED HOLES USING COMBINED SUBDIVISION SCHEMES
ADP012033	DEALING WITH TOPOLOGICAL SINGULARITIES IN VOLUMETRIC RECONSTRUCTION
ADP012034	LINEAR ENVELOPES FOR UNIFORM B-SPLINE CURVES
ADP012035	N-SIDED SURFACES: A SURVEY
ADP012036	APPROXIMATED PLANES IN PARALLEL COORDINATES
ADP012037	APPLICATIONS OF SPHERE GEOMETRY IN CANAL SURFACE DESIGN
ADP012038	GEOMETRIC COMPUTING WITH CGAL AND LEDA
ADP012039	A GEOMETRIC APPROACH FOR KNOT SELECTION IN CONVEXITY-PRESERVING SPLINE APPROXIMATION
ADP012040	CONVERGENCE OF APPROXIMATIONS FOR ARRANGEMENTS OF CURVES
ADP012041	THE (2-5-2) SPLINE FUNCTION
ADP012042	ERROR ANALYSIS OF ALGORITHMS FOR EVALUATING BERNSTEIN-BEZIER-TYPE MULTIVARIATE POLYNOMIALS
ADP012043	A BASIS FOR HOMOGENEOUS POLYNOMIAL SOLUTIONS TO HOMOGENEOUS CONSTANT COEFFICIENT PDE'S: AN ALGORITHMIC APPROACH THROUGH APOLARITY
ADP012044	TRIANGULAR G2-SPLINES
ADP012045	ON CALCULATING WITH LOWER ORDER CHEBYSHEV SPLINES
ADP012046	A DECLARATIVE MODELER FOR B-SPLINE CURVES
ADP012047	DIFFUSE CURVATURE COMPUTATION FOR SURFACE RECOGNITION

ADP012048	DISCRETE FAIRING OF CURVES AND SURFACES BASED ON LINEAR CURVATURE DISTRIBUTION
ADP012049	TRIANGULATING TRIMMED NURBS SURFACES
ADP012050	SURFACE INTERPOLATION OF NON-FOUR-SIDED AND CONCAVE AREA BY NURBS BOUNDARY GREGORY PATCHES
ADP012051	CENTRAL CONICS ON PARABOLIC DUPIN CYCLIDES
ADP012052	ADAPTIVE PARAMETERIZATION AND APPROXIMATION FOR CAD DATA REDUCTION
ADP012053	ON THE GEOMETRY OF SCULPTURED SURFACE MACHINING
ADP012054	EXTENSIONS: EXTRAPOLATION METHODS FOR CAD
ADP012055	HIGHER-ORDER (LT/QN) VECTOR FINITE ELEMENTS FOR WAVEGUIDE ANALYSIS
ADP012056	HIGHER ORDER SPATIAL OPERATORS FOR THE FINITE INTEGRATION THEORY
ADP012057	A FDTD HYBRID "M3D24-YEE" SCHEME WITH SUBGRIDDING FOR SOLVING LARGE ELECTROMAGNETIC PROBLEMS
ADP012058	MODIFIED FRESNEL COEFFICIENTS FOR HUYGENS' SOURCES IN FDTD
ADP012059	A COMPARATIVE STUDY OF EXPANSION FUNCTIONS USING THE BOUNDARY RESIDUAL METHOD ON A LINEAR DIPOLE - PART I: ENTIRE-DOMAIN FUNCTIONS
ADP012060	A COMPARATIVE STUDY OF EXPANSION FUNCTIONS USING THE BOUNDARY RESIDUAL METHOD ON A LINEAR DIPOLE - PART II: SUB-DOMAIN FUNCTIONS
ADP012061	METHODS FOR THE EVALUATION OF REGULAR, WEAKLY SINGULAR AND STRONGLY SINGULAR SURFACE REACTION INTEGRALS ARISING IN METHOD OF MOMENTS
ADP012062	ACCURACY OF CURRENTS PRODUCED BY THE LOCALLY-CORRECTED NYSTROM METHOD AND THE METHOD OF MOMENTS WHEN USED WITH HIGHER-ORDER REPRESENTATIONS
ADP012063	HIGH-ORDER NYSTROM METHOD FOR COMPUTING WAVEGUIDE MODES
ADP012064	CIRCLE-FIT SUMMATION ACCELERATION OF PERIODIC GREEN'S FUNCTION
ADP012072	INTRODUCTION TO CAVITATION AND SUPERCAVITATION
ADP012073	OSCILLATIONS OF VENTILATED CAVITIES EXPERIMENTAL ASPECTS
ADP012074	EXPERIMENTAL INVESTIGATION OF SUPERCAVITATING MOTION OF BODIES
ADP012075	DEVELOPED CAVITATION-CAVITY DYNAMICS
ADP012076	VARIATIONAL METHODS IN CAVITATIONAL FLOW
ADP012077	THE PRINCIPLE OF INDEPENDENCE OF THE CAVITY SECTIONS EXPANSION (LOGVINOVICH'S PRINCIPLE) AS THE BASIS FOR INVESTIGATION ON CAVITATION FLOWS
ADP012078	NUMERICAL MODELING OF SUPERCAVITATING FLOWS

ADP012079	REVIEW OF THEORETICAL APPROACHES TO NONLINEAR SUPERCAVITATING FLOWS
ADP012080	ARTIFICIAL SUPERCAVITATION. PHYSICS AND CALCULATION
ADP012081	DYNAMIC PROCESSES OF SUPERCAVITATION AND COMPUTER SIMULATION
ADP012082	MULTIPHASE CFD MODELING OF DEVELOPED AND SUPERCAVITATING FLOWS
ADP012083	CONTROL OF SUPERCAVITATION FLOW AND STABILITY OF SUPERCAVITATING MOTION OF BODIES
ADP012084	RESULTS OF SELECTED EXPERIMENTS INVOLVING SUPERCAVITATING FLOWS