

Technical Program

MORIS 1996

Monday, April 29, 1996

TUTORIAL

MT.1 Principles of High Density M-O Recording

M. Mansuripur

MT.2 TEM Studies of Domains, Domain Walls and the Magnetisation Reversal Process in M-O Media

J. Chapman, S. McVitie, J. Rose

MT.3 Spin-Polarized Scanning Electron Microscopy

T. Kohashi, H. Matsuyama, K. Koike

Tuesday, April 30, 1996

OPENING REMARKS

N. Imamura

R Krishnan

KEYNOTE TALKS

Tm.1 New Kerr Rotation Record: 90 Degree Single Kerr Rotation in CeSb

J. Schoenes, R. Pittini[#]

Tm.2 Recent Progress in Magnetically Induced SuperResolution

M. Kaneko, A. Nakaoki

M-O EFFECTS

Tm.3 Large Non-linear Magneto-Optics for Magnetic Thin Film Studies

Th. Rasing

Tm.4 Theory of Non-linear Magneto-Optical Response at Interfaces

K.H. Bennemann

Tm.5 Nonlinear Magneto-Optics of Garnets

R. V.Pisarev, V.V. Pavlov, A. Kirilyuk, Th. Rasing

Tm.6 Observation of Very Large Magnetic Contrast in the Second Harmonic Generation from Fe(II0)

R. Vollmer, M. Straub, J. Kirschner

Tm.7 Magneto-Optical Characterization of FeAu Artificial Ordered Alloy

K. Sato H., Ikekame, K. Takashi, S. Mitani, H. Fujimori

Tm.8 Optical Behaviour of Fe in Magnetic Multilayers

S. Visnovsky R. Krishnan, M. Nyvlt, V. Prosser

Tm.9 First Principles Theory and Prediction of the Kerr Effect in Multilayers and Compounds

M. Oppeneer, V.N.Antonov, A.N.Yaresko, A.Ya. Perlov, T. Kraft, H. Eschrig

HIGH DENSITY RECORDING I

Ta.1 Optimization of CoNi/Pt Multilayers compared with Co/Pt Multilayers for Thermo-Magnetic Writing

- Q. Meng, D.M. Donnet, P.J.A. van Schendel, J.C. Lodder
 Ta.2 Readout Signal Analysis for Land/Groove Magneto-Optical Disks with Boundary Element Method
M. Ogawa, S. Ohkubo, M. Kubogata, M. Nakada, R. Katayama, M. Okada, M. Itoh
 Ta.3 Compact High Density Data Streamer Using Matrix and Kerr Heads in Serpentine Mode
J. C. Leheureau, F. Le Texier, C. Maillot
 Ta.4 Multi-valued MO Recording by a Laser Pumped Field Modulation Method
K. Shimazaki, M. Yoshihiro, N. Nagai, S. Imai, H. Takao, N. Ohta
 Ta.5 Multi-wavelengths Read-out for Multi-valued MO Recording
K. Nakagawa, A. Itoh
 Ta.6 High Density Data Storage with SNOM
R. Imura, T. Shintani, N. Nakamura, K. Kikukawa, S. Hosaka. (H~tachiJ, apan)

HIGH DENSITY RECORDING II

- Ta.7 High Density Recording Using an Ordinary Structured MO Disk with Field Modulation.
K. Aratani, T. Narahara, A. Fukumoto, S. Masuhara
 Ta.8 Channels for High Density Optical Recording
D.C. Cheng, K. Belser, J.E. Hurst Jr., R.T. Lynch Jr., M. Madison, R. Olson
 Ta.9 Land/groove Recording Scheme on MSR Media
M. Mieda, Y. Murakami, T. Inui, A. Takahashi, K. Ohta
 Ta.10 Very High-Density Recording and Readout Mechanism on Trilayer Double-Mask Rad Media for 3.5 -inch Disk
K. Shono, K. Tamanoi, T. Tanaka, K. Masurnoto
 Ta.11 MSR Media Using In-plane Magnetization Layers without Read Out Bias Magnet
N Nishimura, S. Tsunashima
 Ta.12 Reading a 0.2 μm Mark Using the MSR Method
M. Birukawa, K. Uchida, N. Miyatake

POSTERSESSION I				
M-O Effects	TP.1	-	TP.21	See for titles and authors at the end of the Programme Scheme
Magnetism	TP.22	-	TP.38	

Wednesday, May 1, 1996

OPENING REMARKS

N. Imamura
 R Krishnan

DIRECT OVERWRITE AND WRITE ONCE

Wm. 1 The New Write Once System for a High Density Optical Disc

- E. Muramatsu, S. Taniguchi, *A. Inoue*
 Wm.2 Phase-Change Recording
J.P. W.B. Duchateau and *B.A.J. Jacobs*
 Wm.3 Anisotropy of Amorphous GdFeCo Films and its Application for DOW and MSR Recording
D. Raasch, H. Wierenga, H. Borg
 Wm.4 Laser-pumped Magnetic Field Modulation Optical Recording
S. Yonezawa, and *Y. Tanaka*
 Wm.5 Production of LIM-DOW Media
T. Hosokawa, *A. Okamuro*, *K. Miyata*, *H. Akasaka*, *A. ~akemoto*

DOMAIN PHYSICS AND NOVEL MATERIALS

- Wm.6 Reading Dynamics in Central Aperture Detection (CAD) Magnetically Induced Super Resolution (MSR) Media
M. Du, *S. Xue*, *M.H. Kryder*
 Wm.7 Thermomagnetic Writing and Time-Resolved Imaging in a Tb/Fe Multilayer
J.P. Jamet, *P. Meyer*, *V. Grolier*, *J. Ferre*, *P. Houdy*
 Wm.8 Magnetization Processes in Ultrathin Cobalt Films
A.Maziewski, *J. Ferre*, *M. Kisielewski*, *V. Tarasenko*, *D. Renard*
 Wm.9 Micromagnetic Simulations of MO-Multilayers
T. Schrefl and *J. Fidler*

LUNCH + POSTERSESSION II

High Density Recording	WP.1	-	WP.5	See for titles and authors at the end of the Programme Scheme
Alternative Recording Technologies	WP.6	-	WP.10	
Materials (Oxides, Multilayers,)	WP.11	-	WP.23	

Thursday, May 2, 1996

MEASUREMENTS AND RELIABILITY

- Thm.1 Force Gradient Mapping of Magneto-optic Media with the Magnetic Force Microscope
R. Proksch, *T. E. Schaffer*, *P.K. Hansma*, *S. Foss*[#], *G. Skidmore*[#] and *E.D. Dahl berg*[#]
 Thm.2 MFM Observations of Nanoscale Marks written by SIL near Field Recording
P. Glijer, *T. Suzuki*, *B.D. Terris*
 Thm.3 The Recorded Mark Observation on the MO Disk by Spin-Polarized Scanning Electron Microscopy
T. Kohashi, *H. Matsuyama*, *K. Koike*, *H. Miyamoto*, *J. Ushiyama*, *H. Awano*
 Thm.4 Reliability Evaluation of 3M Magneto-Optic Media
K. Maekawa, *W.P. Murray*
 Thm.5 Spatially Resolved Pulsed Field Measurements of Magnetic Properties of Magneto-optical Film Media
R.M. Grechishkin, *E.W. ~illiamsS.*, *S. Soshin*, *S.E. Ilyashenko*,

HEAD AND DRIVES

- Thm.6 Integrated Micro MO Head Using Laminated Glass Plates

S. Horinouchi, F. Kobayashi

Thm.7 MO Readout Channel Evaluation through the Simulation of Various Forms of Signal Quality Degradation

H. Sukeda, H. Saga, T. Ikeda (Hitachi, Japan)

Thm.8 Magneto-Optical Medium for Optical Tape Recording

H. Tokumaru, K. Arai, S. Yosumura, K. Takizawa, N. Uchida, H. Yoshida

Thm.9 Magneto-Optical Head for Writing of Information

A.G. Vitovtsev, N.N. Krupa, A.N. Pogorily

LUNCH + POSTERSESSION II

Processing Techniques	ThP.1	-	ThP.8	See for titles and authors at the end of the Programme Scheme
Domain Physics and Dynamics	ThP.11	-	ThP.23	
Measurements (AFM,)	ThP.24	-	ThP.28	
Dielectric Layers and Substrate	ThP.29	-	ThP.32	
Reliability	ThP.33	-	ThP.36	

MATERIALS & MAGNETISM

Tha.1 Nanostructured Pt/Co Multilayers with Large Anisotropy Energy and Coercivity

P.F. Carcia, D. Coulman, M. Reilly, R.S. McLean

Tha.2 Magneto-Optical Spectra of MnPtJ Alloy Films

S. Iwata, T. Kato, T. Tsunashima

Tha.3 Structural, Magnetic, and Magneto-Optic Properties of MnBi(A1,Pt) Thin films: There is Still More to Learn

R. Fumagalli, U. Riidiger

Tha.4 Faraday Effects in Ith⁴⁺- and Ir⁴⁺S- substituted Magnetic Garnets

E. Tobita, K Shinagawa, T. Saito, T. Tsushima

Tha.5 The Evaluation of Domain Stability for High Density Recording on Magneto-Optical Disk

H. Awano, J. Ushiyama, H. ~hlsen', H. Sukeda, M. Takahashi

Tha.6 Magneto-Optic Recording Properties of SmDyFeCoDyFeCo Thin Films

Z.Q. Hu, Z.Y. Li, Z.Q. Lu, W.Z. Liu, X.S. Miao, G.Q. Lin, Y.S. Hu

Tha.7 Single Ion Origin of Perpendicular Anisotropy in Magneto-Optical RE-Fe Amorphous Films

O.M. Kuzmak, A.M. Pogorily

CLOSING REMARKS

T. Suzuki

J.C. Lodder

Tuesday, April 30

POSTER SESSION I TP.1 -TF'.38

M-0 Effects

- TP.1 Total Internal Reflection of Light from the Interface of Bigyrotropic Magnetic Media
S. B. Borisov, N.N. Dadoenkova, I. L. Lyubchanskii , M.I. Lyubchanskii
- TP.2 Optical Reflection and Polar Kerr Rotation of Cobalt and Titanium Substituted Barium Hexaferrites
Z. Simsa, L. Stichauer, V.A.M Brabers
- TP.3 Magneto-Optical and XPS Spectra of Cobalt and Titanium Substituted Hexaferrite Films
Z. Simsa, J. Zemek, J. Simsova, R. Gerber, P. Papakonstantinou, R. Atkinson
- TP.4 Magnetic Magneto-Optical and Dynamic Characteristics of Exchanged-Coupled NdTbFeCo/TbFeCo Films for 532 NM Recording Media
B.I. Cho , Y.M. Ahn, K.G. Lee, H.C. Hong, B.L. Gill, Y.K. Jang
- TP.5 Tuning of Guided Modes in Magneto-optical Sandwiches
R. Kantor, K. Postava, J. Pistora
- TP.6 Ab Initio Calculated Spin, Orbital Moments and Magneto-Optical Spectra of Some Intermetallic Compounds with High MO Activity
E.T. Kulatov, Y.A. Uspenskii , S.V. Halilov
- TP.7 Quantum Well States in Noble Metals: A Second Harmonic Generation Study
A. Kirilyuk, M. Groot Koerkamp, Th. Rasing, R. Megy, P. Beauvillain
- TP.8 Magneto-Optical Properties of $(\text{Co}_{70}\text{Fe}_{30})_x\text{Ag}_{1-x}$ Granular Alloys
E. Gan'shina, A. Granovsky, V. Guschin, N. Perov, F. Brouers , B. Dieny
- TP.9 Kerr Loop Reversal in Aged Tb-Fe-Co Films
A. Spencer, E.W. Williams, P. Haycock
- TP.10 Analysis of Enhancement of Kerr Effect in Exchange-Coupled Magnetic Double Layers
Z.Y. Lee , Z.Q. Lu, Z.Q. Hu, L.G. Tan, X.S. Miao
- TP.11 Kerr Loops in Exchange-Coupled Double Layers of SmDyFeCo/DyFeCo
Z.Y. Lee , Z.Q. Lu, Z.Q. Hu, L.G. Tan, Y. Cui, X.S. Miao, G.Q. Lin, Y.S. Hu
- TP.12 Kerr Effect and CEMS Study of Epitaxial Fe-Pt Alloy Films
T. Goto, K. Kikuchi, Y. Ide, K. Watanabe
- TP. 13 Nonlinear Optical Effects in Magnetic Crystals
I.L. Lyubchanskii
- TP. 14 Nonlinear Transformation of the Light Polarization in Magnetic Crystals
A.D. Petrenko
- TP. 15 Polar Kerr Effect of MnPt_3 and CrPt_3
M. Vergohl, J. Schoenes
- TP.16 Theoretical Analysis of Magneto-Optical Faraday Effect of Cobalt Nano-Clusters Oriented Uniaxially in a Transparent Matrix
M. Inoue, T. Yamamoto, K. Isarnoto, A. Horikawa, T. Hirano, T. Fujii
- TP. 17 Modified Effective Medium Theory For Magneto-Optical Spectra of Magnetic Materials
C-Y. You, S-C. Shin
- TP.18 Structural Transition in Co Layers and its Influence on Magneto-optical and Optical Properties of Co/Zr Multilayers
Y.V. Kudryavtsev, A.Y. Kucherenko, L. Smardz
- TP. 19 Magneto-Optical Characterization of Epitaxially Grown Manganese Pnictides
H. Ikekame , K. Sato
- TP.20 Subnetwork Exchange Coupling Coefficient of (Dy,Tb)FeCo Magneto-Optical Recording Films
W-K. Hwang, T-H. Wu , H-P.D. Shieh

- TP.21 In-Situ, Optical and Magneto-Optical Studies Of the Growth Of Co, Pt, and Co/Pt Multilayers Deposited by DC-Sputtering
W.R. Hendren, R. Atkinson, I.W. Salter
- TP.22 Inhomogeneous Surface and Volume Magnetic States in Ferromagnetic Films
S.A. Nikitov, I.E. Dikshtein
- TP.23 Magneto-Optical Study of Staggered Magnetization Reversal of Noncentro-antisymmetric Antiferromagnet DyFe₃
S.L. Gnatchenko, A.B. Chizhik, V.A. Bedarev, N.F. Kharchenko, V. V. Eremenko
- TP.24 Magnetic Field induced Metastable Antiferromagnetic State in CaMnGe-Garnet
N.F. Kharchenko, A. K Bibik
- TP.25 Investigation of the Magnetic and Galvanomagnetic Properties of the Gd-Co Films in the Vicinity of Magnetic Compensation Temperature
A.N. Sorokin, A.V. Svalov
- TP.26 Magneto-Optic Kerr Effect and Micromagnetic Structure of Tb-Fe Thin Films
L. Cristea, M.D. Serbanescu, V. Kuncser, G. Filoti
- TP.27 Faraday Rotation in Bi-Substituted DyIG Epitaxial Films in the Infra-Red Range
M. Guillot, H. Le Gall, J. Gouzerh, J.M. Desvignes, M. Artinian
- TP.28 Origin of Kerr Rotation Angle in Amorphous NdTbFeCo Alloys
J.-Y. Kim, I.-O. Hwang, H.-C. Hong, D.-H. Shin
- TP.29 Changes in Magnetic Anisotropy of MO Films Induced by Nitrogen Diffusion from Protective Layers
M. Kratzer, S. Becker, H. Rohrmann, K. Roll
- TP.30 Magneto-Optical Investigation of Ultrathin Fe- and Co-Films
E.E. Shalyguina, A.A. Korendiashev, L.V. Kozlovsky, N. I. Tzidaeva
- TP.31 Magneto-optical Properties and Electronic Density of States of Amorphous Alloys Co-Ho-B
E.A. Gan'shina, V.S. Guschin, S.A. Kirov, R.M. Grechishkin
- TP.32 Theoretical Study of Magnetization Distribution and Processes in Exchange-Coupled Double and Trilayers
R. Sbiaa, H. Le Gall, Y. Braik
- TP.33 Magnetic, Anisotropy, and Magneto-Optic Properties of CO/V Multilayers
L. Driouch, R. Krishnan, M. Porte, J. Jonsson, K.V. Rao, M. Tessier
- TP.34 Temperature-Induced Ferro-Antiferromagnetic Transitions in Exchange-Coupled Double Layers with Mixed Anisotropies
R. Sbiaa, H. Le Gall, Y. Braik, J. Gouzerh
- TP.35 Coercivity Mechanism in Data Storage Media
H. Kisker, T. Suzuki
- TP.36 Atomic Structure and Magnetic Anisotropy in Ultrathin Fe Films on Au(001)
F. Himmelhuber, S. Miethaner, M. Brockmann, H. Regensburger, F. Bensch, J. Bierner, G. Bayreuther
- TP.37 The Hysteresis Loops in Amorphous Film with Perpendicular Anisotropy in Region of the Compensation Temperature
Ye.M. Pampura, A.N. Sorokin
- TP.38 Photoinduced Changes of Optical Absorption and Magnetic Properties in YIG Single Crystals
R.A. Doroshenko, M.D. Nadejdin, N.V. Vorobjeva

Wednesday, May 1

POSTER SESSION II WP.1- WP.24

High Density Recording

- WP.1 A Formalism to Determine the DOW- and MSR-Capability of Exchange Coupled Layer Systems
S. Becker, H. Rohrmann, K. Roll
- WP.2 High Density Land & Groove Recording with Modified Optics and PA-MFM Recording
N. Aoyama, Y. Morimoto, T. Miyahara
- WP.3 Optical Readout Systems for High Density Magneto-Optic Recording
P.W. Nutter, C.D. Wright, P.W.M. Filbrandt
- WP.4 Recording on Land and Groove with Magnetically Induced Super Resolution
A. Nakaoki, M. Kanno, I. Nakao, T. Sakamoto, M. Shinoda, M. Kaneko
- WP.5 Recording Characteristics of NdGd/FeCo Multilayers
X.Y. Yu, A. Usida, S. Tsunashima, Y. Fujiwara, S. Iwata

Alternative Recording Technologies ...

- WP.6 A Case for Group-Based Optical Discs Array
H. Jin, J. Zhang
- WP.7 The Optical and Magneto-Optical Behaviour of Particulate Type 1 Thermo-Magnetic Recording (TMR) Material
P. Bouvier, R. Carey, D.M. Newman, B.W.J. Thomas
- WP.8 Thermo-Magnetic Properties of Double Layered Films with In-Plane Magnetization
K. Tanase, Y. Suzuki, A. Yamaguchi, S. Sumi, Y. Uchihara, K. Torazawa
- WP.9 An Optimized Measurement System for Spectroscopy at Very Short Wavelengths
W. Van Drent, T. Suzuki
- WP.10 Magnetic Multi-Valued Magneto Optical Recording Using Magnetic Anisotropic Artificial Lattices
H. Mizuseki, M. Ishihara, X. Hu, Y. Kawazoe, N. Ohta

Materials (Oxides, Multilayers,)

- WP.11 Anisotropy and Magneto-Optical Kerr Spectra of $\text{Co}_x\text{Ni}_{1-x}/\text{Au}$ Multilayers
R. Krishnan, M. Seddat, M. Porte, M. Tessier, M. Nyvlt, S. Visnovsky
- WP.12 The Magnetic & Microstructural Properties of Co/Pt/AlN Multilayer Thin Films
C.J. Tatnall, G.J. Sinclair, P.J. Grundy, R. Atkinson
- WP.13 TEM Studies of CoNi/Pt Multilayers
J. Rose, J.N. Chapman, J. C. Lodder, Q. Meng
- WP.14 Magnetic Anisotropy of Au/Fe, Au/Co and Au/(Fe-Co) Multilayers: Effect of Alloying on the Magnetic Anisotropy
M. Kamiko, K. Kyuno, M. Iwanami, J. -G. Ha, S. Asano, R. Yamamoto
- WP.15 Perpendicular Magnetic Anisotropy and Magnetic-Optical Properties of Co/(pd-Au) Metallic Multilayer
M. Kamiko, J.-G. Ha, K. Kyuno, R. Yamamoto
- WP.16 Preparation and Measurement of Magneto-Optic Co/Pt Multilayer Thin Films for the Study of Magnetisation Reversal Mechanisms
G.N. Phillips, Q. Meng, K. O'Grady, J.C. Lodder
- WP.17 Magneto-Optic Studies of Compositionally Modulated DyFe Films
R. Carey, L. Dieu, D.M. Newman, B.W.J. Thomas
- WP.18 Magneto-Optical Investigation of Fe/Mo, Ta/Fe and Co/Mo, Ta/Co Trilayers
E.E. Shalyguina, A.A. Korendiashev, L.V. Kozlovsky
- WP.19 FMR Studies of Cobalt Thin Films Deposited by MOCVD

F.Y. Ogrin, P.W. Haycock

WP.20 Perpendicular Magnetic Anisotropy in Co Ultrathin Films grown on Vicinal MgO(001) Substrates

T. Katayama, W. Geerts, Y. Suzuki, H. Takeshita, D. Fujitani, N. Okuzawa

WP.21 The Experimental and Theoretical Study of Magneto-optical and Optical Properties of Co/Cu/Co Sandwiches

Y.V. Kudryavtsev, A.Y. Kucherenko, A.F. Kravets

WP.22 The Theoretical Study on Electric and Magnetic Properties for Fe/Al(001)/Fe

T.H. Rho, Y. Kwon, S.C. Hong, J.I. Lee

WP.23 Magneto-Optical Kerr Spectroscopy of CoNi/Pt and Co/Pt Multilayers

Q. Meng, M.A.M. Haast, J.C. Lodder

WP.24 Domain Structure and Magnetization Reversal Process in Amorphous TbFeCo Film

R.M. Grechishkin, E.W. Williams, S.E. Ilyashenko, S.S. Soshin

Thursday, May 2

12.00 - 14.00 POSTER SESSION III ThP.1 -ThP.36

Processing Techniques

ThP. 1 Rapid Thermal Annealing of Some Fe-Co Spinel Oxides: Structural Modification and Magneto-Optical Properties

L. Bouet, L. Presmanes, Ph. Tailhades, A. Rousset, R.Legros

ThP.2 Oriented Barium, Strontium Ferrite Films Pulsed Laser Deposited on YSZ(100) and Si(100) Substrates

P. Papakonstantinou, R. Atkinson, M. O'Neill, I.W. Salter, R. Gerber

ThP.3 Microstructural and Magneto-Optical Properties of Pulsed Laser Deposited Bi Substituted Iron Garnet Films

P. Papakonstantinou, B. Teggart, R. Atkinson, I.W. Salter

ThP.4 Fundamental M.O. Characterization of Co/Pt Multilayers and Fabrication of Blue Enhanced Trilayer Devices

S. Pahirathan, R. Atkinson, I.W. Salter, C. Tatnall, P.J. Grundy

ThP.5 High Bismuth Substituted Yttrium Iron Garnet Films Prepared by Gel Coating Technique

N. Okamura, M. Inoue, T. Fujii

ThP.6 Deposition of Cobalt/Zinc Oxide Multilayers by MOCVD

P.W. Haycock, M.G. Lopez, R.W. Hardeman, J.W. Bull, S.D. Brown, R.P. Findlay, F.Y. Ogrin, C.C. Tang, E.W. Williams, J. Auld, A.C.Jones, R.J.M. Griffiths, D. Rumsby

ThP.7 M-O Properties of Pulsed-Laser Annealed Tb-Fe-Co Thin Films

R.P. Findlay, P.W. Haycock

ThP.8 Surface Morphology of Garnets Films Deposited by Metallo-Organic Decomposition

C-H. Chang, M.H. Kryder

Domain Physics and Dynamics

ThP.9 Domain Wall Crystallographic Reorientation Effect in Ferrite Garnet Crystals with Induced Uniaxial Anisotropy

L.A. Pamyatnykh, G.S. Kandaurova, M.A. Shamsutdinov, B.N. Filippov

ThP. 10 Peculiarities of the Polarizable Optical Image of Magnetic Domain Wall Matching Crystalline Boundary

V.N. Maltsev, N.I. Vlasova, G.S. Kandaurova, V.V. Lukjanin, N.N. shchegoleva

ThP. 11 Domain and Domain Wall Images by Second Harmonic Generation

- A. Kirilyuk, V. Kirilyuk, Th. Rasing, V.V. Pavlov, R.V. Pisarev*
- ThP. 12 Experimental and Theoretical Domain Periods in BaCo_{1-x}Ti_xFe_{12-x-y}O₁₉
V. Kambersky, J. Simsova, R. Gemperle, P. Papakonstantinou, R. Gerber
- ThP.13 Simulation of MO Diffraction from Fine Stripe Domains
V. Kambersky, L. Wenzel, A. Hubert
- ThP. 14 Shape Characterisation of Magneto-Optically Written Domains using Parametric Fourier Descriptors
P.J.A. van Schendel, S. Porthun, D.M. Donnet, J.C. Lodder
- ThP. 15 Monte Carlo Simulation of the Rate of Domain Growth in Magneto-Optic Media
A. Lyberatos, J. Earl, R.W. Chantrell
- ThP.16 The Investigation of 0° Domain Wall, Located near to Planar Inhomogeneity of Magnetic Anisotropy, in Magneto-Optic Medium
I.V. Vladimirov, E.G. Ekomassov, V.V. Plavski
- ThP. 17 Influence of Space-Inhomogeneous Temperature Fields on the Domain Structure of Amorphous Gd-Co Films
V. Ye. Ivanov
- ThP. 18 Evolution of Spiral Dynamic Magnetic Domains in an Anger-State of the Ferrite-Garnet Films
G.S. Kandaurova, V.Kh. Osadchenko, A.A. Rusinov, E.A. Rusinova
- ThP. 19 Domain Wall Motion in Magneto-Optical Materials under an External Magnetic Field
Y-K. Kim, S.K. Han, S.C. Yu, K.V. Rao
- ThP.20 Reflection of Light by the Domain Wall
V.N. Maltsev, G.S. Kandaurova
- ThP.21 Bloch Wall Dynamics in Ultrathin Films of Uniaxial Ferromagnets
A. Stankiewicz, V.V. Tarasenko, J.Ferre
- ThP.22 New Phenomena in Dynamics of Magnetic Domains in Ferrite-Garnet Films
G.S. Kandaurova
- ThP.23 Formation of Dynamic Ring Domains Grating at Alternating Magnetic Field
J.A. Kipshakbaeva, G.S. Kandaurova

Measurements (AFM.....)

- ThP.24 Measurement of Beam Profile on Rotating Optical Disk
T. Watanabe, T. Kubo, J. Ohtubo, H. Atsumi, S. Ishihara, A. Sugiuru
- ThP.25 Magnetic Hysteresis Measurements made via the Absorptive Component of the Kerr Magneto-Optic Interaction
R. Carey, D.M. Newman, B. W.J. Thomas, X.F. Zhu
- ThP.26 Novel Position Sensitive Detector Heads for Optical Data Recording
D. Gibson, E. W. Williams, H.S. Gamble
- ThP.27 Calibration of Vibrating Sample Magnetometers without Magnetization Standards
U. Außerlechner, W. Steiner, P. Kasperkovitz
- ThP.28 Magneto-Optical Diffraction by a Relief Grating
Y. Souche, O. Geofloy, V. Novosad, Pishko, B. Pannetier

Dielectric Layers and Substrates

- ThP.29 Magneto-optical Effects on Thin Layer Magnetic Fluids and in Films Obtained after Base Liquid Evaporation
V.Z. Iusan, V. Muntean
- ThP.30 SiC Films as Media for Submicron Phase Structure Formation and for Dependence of Registering Layers of Magneto-optical Disks
N.N. Krupa, A.N. Pogorily

ThP.31 Wavelength Dependence of Kerr-Rotation in e-Beam Deposited Pt/Co/Pt) Modulated Multilayers:
Effect of Oxidized Si Substrates

Y. Xiao, J-H. XU, J. Jonsson, K.V. Rao, C. Uher, F.L. terry

ThP.32 Stress Related Effects in CoNi/Pt Multilayers

M.D. Bijker, D.M. Donnet, J.C. Lodder

Reliability

ThP.33 Testing Method of Dust Effect on an Optical Disk

H. Kikawa, T. Kubo

ThP.34 Reliability Test of Cartridge Case for Optical Disk

Y. Okino, T.Kubo,K.Nishizawa, S. Takeno

ThP.35 Life Measurement Method on Optical Disk

Y. Okino, T. Kubo, A. Takahashi, Y. Kanazawa

ThP.36 Influence of the Recording Layer Temperature of CNR in Read-Out of Magneto-Optic Disk

S-S. Kim, Y-M.Ahn, K-G. Lee, B-L. Gill, S-C. Shin