

目 录

- 光谱 •
 - 近红外区的光泵钠分子激光振荡.....王祖康 (865)
 - Cu₂O 室温电调制反射激子光谱.....王 宣等 (871)
 - Pt/Si 界面的椭圆偏振光谱研究.....陈土培等 (877)
 - LAP 及 DLAP 单晶的晶格振动光谱.....陈 亭等 (884)
- 全息术与信息处理 •
 - 用快速傅里叶变换迭代法重建三维折射率场.....高益庆等 (892)
 - 编码孔径成像: 一种全息逆转滤波处理.....陈林森等 (899)
- 激光 •
 - 大激活体积高功率 CO₂ 激光器环状输出稳定腔的研究.....程兆谷等 (905)
 - 选支 CO-CO₂ 复合激光器的研究.....归振兴等 (911)
 - β -BaB₂O₄ 光参量振荡器.....陈 琪等 (917)
- 光学仪器 •
 - 高精度绝对式光电轴角编码器.....叶盛祥 (922)
 - 1:1 分步亚微米光刻镜头.....王之江等 (928)
 - 测量托卡马克装置等离子体电子密度分布的远红外 HCN 激光干涉仪.....童兴德等 (933)
- 等离子体 •
 - 由激光等离子体细丝引起的二次谐波侧向空间分辨谱.....顾 敏等 (940)
- 衍射 •
 - 多光束分光光栅的优化设计.....Jari Turunen 等 (946)
- 薄膜光学 •
 - 极薄银膜光学常数的研究.....徐静江等 (954)
- 会议预告 •
 - 国际光电子科学与工程学术会议('89 ICOESE) 将在北京召开.....黎 风 (953)

CONTENTS

Spepectroscopy

- Optically pumped Na₂ laser in near-infrared region.....*Wang Zugeng* (865)
 Excitonic electroreflectance spectrum of cuprous oxide at room temperature ...*Wang Xuan et al.* (871)
 Ellipsometric study on the interface of Pt-Si system*Chen Tupei et al* (877)
 Vibrational spectra of single crystal LAP and DLAP.....*Chen Ting et al.* (884)

Information Processing

- Reconstruction of 3-D refractive index fields by fast Fourier transform iteration.....
 *Gao Yiqing et al.* (892)
 Coded aperture imaging: A holographic inverse filtering approach.....*Chen Linsen et al.* (899)

Laser

- Annular output stable resonator of a high power CO₂ laser with large discharge volume
 *Cheng Zhuogu et al.* (905)
 A branch-selected CO-CO₂ compound laser.....*Gui Zhenxing et al.* (911)
 β-BaB₂O₄ optical parametric oscillator.....*Chen Qi et al.* (917)

Optical Instrument

- Absolute photoelectric shaft angle encoder with high accuracy.....*Ye Shengxiang* (922)
 A submicron lithographic lens available to 1:1 stepper.....*Wang Zhijiang et al.* (928)
 7-channel FIR HCN laser interferometer for determining electron density profile on HT-6M
 TOKAMAK*Tong Xingde et al.* (933)

Plasma

- The second harmonic space resolved spectrum initiated by laser produced plasma filament.....
 *Gu Min et al.* (940)

Diffraction

- Optimization of grating multi-beamsplitters.....*Jari Turunen et al.* (946)

Thin Film Optics

- Study of optical properties of extreme thin silver layers.....*Xu Jingjiang et al.* (954)

Meeting Report

- International conference on Opto-Electronics Science & Engineering ('89ICOESE) to be held in
 Beijing.....*Li Feng* (953)