

# THE ACADEMIC REPORTS

## The Faculty of Engineering Tokyo Institute of Polytechnics

---

Vol.23 No.1 2000

---

### Review

- Non-Oxide Ceramic Material Processing Utilizing the  
Concerted Amplification of Mechanochemical Reaction Field  
.....Katsuya KUDAKA ( 1 )

### Articles

- An Attempt to Improve Architectural Design Education,  
Using Computer Network and Multimedia Equipment  
of the drawing room.....Shintaro MANABE Kiichiro KOMATSU ( 9 )
- Making of the Hypertext of Physics by  
means of Html and Java .....Shuichi KAWABATA ( 19 )
- Dynamics of the family of real biquadratic polynomials ...Shizuo NAKANE ( 26 )
- Simple Fabrication Techniques of Fourier Transform  
Hologram with Gray Level / Quasi-Colors and Visual  
Appearance of Optically Reconstructed Diffractive Images  
.....Masayuki IIZUKA Yoshio OOKUMA  
Yoshio NAKASHIMA ( 35 )
- On H-T Conjectures for Algebraic Cycles .....Kazuhisa MAEHARA ( 47 )
- A Study on the Basic Education of Information  
Technology in Faculty of Engineering .....Norihiko YOSHIDA ( 58 )
- New Space Vector Modulation Scheme for PV  
System with HF Link Soft Switching Converter  
.....Susumu OHBA Tatsuya KITANO  
Mikihiko MATSUI ( 66 )
- An estimation of reading speed for elderly people  
—By using the special glasses simulating age-related  
transmittance reduction of the eye lens —  
.....Tohru TAMURA Norihiko USHIDA  
Iwao OHISHI ( 76 )
- Mamakodate — its Structure and Culture .....Yoshiaki UENO ( 83 )

### Essay

- “Education Issues as Seen from a Chemistry Educator”  
.....Masakatsu UYEMURA ( 93 )

### Report

- Relation between Applicants' Data for Admission and  
Their Grades after Entering the University  
.....OHNO Takashi SAKAMOTO Akira ( 102 )

Abstracts of Master Thesis ..... ( 109 )

Abstracts of Doctor Thesis ..... ( 153 )

Reports on Extension Lectures for Community ..... ( 163 )

---

TOKYO INSTITUTE OF POLYTECHNICS

1583 HIYAMA, ATSUGI, KANAGAWA, 243-0297

JAPAN