

THE ACADEMIC REPORTS

The Faculty of Engineering Tokyo Institute of Polytechnics

Vol.9 No.1 1986

Articles

An analogue of Mordell conjecture over function fields	Kazuhisa MAEHARA	1
Flags and matchings	Yoshiaki UENO	3
On singularities for solutions of Hamilton-Jacobi equation	Shizuo NAKANE	6
An automatic spectroscopic ellipsometer of a rotating analyzer type	Shuichi KAWABATA, Hiroyuki MIYATA	11
On contraction time and EMG dwell time of isometric force during ballistic matching task	Mizuo KIMURA, Tsugutake YONEDA, Hitoshi KITA	20
Magnetic positive coupling between two ferro-magnetic films supported by a non-magnetic interlayer	Shin WATANABE, Yoshitada TOMODA	30
Photon Distribution in Light Scattering and the Detection of a Single Small Particle in a Liquid	Shin-ichi ITOH	34
Measurement of Ink Film Thickness on the Roller with Optical Displacement-Meter	Michitaka NONAKA	39
The Effects of Cyclodextrins on the Reduction of Ninhydrin with <i>N</i> -Alkyl-1, 4-dihydronicotinamides	Keiko TAKAHASHI, Masazumi UEMATSU, Yukihiro SONEDA, Kenjiro HATTORI	46
Useful Concentration Range of Cadmium Amalgam as Indicator Electrode in Propylene Carbonate	Yukio SASAKI	53
A mathematical model for the transverse oscillations of square cylinder	Yukio TAMURA	56
Relationship between the use and distance of public libraries —Statistical study based on a survey of libraries in the Nerima Ward—	Shintaro MANABE	63
Relationship between Subjective Brightness and the Size of Aperture of the Pupil	Genro KAWAKAMI, Toshio ARAI, Yoshinobu SEIDA	71
Digital Measurement of the <i>Q</i> -value of a -18.5° X-Cut Bar Utilizing the Radio Frequency Monitor	Isao MATSUDA, Yuichi UEKI, Nobunori OURA, Naimu KURAMOCHI	76
Anomalous Polarization in Resonance Raman Scattering and in Resonance CARS, and Vibronic Interaction	Etsuko FUJIMOTO	84
Abstracts of Master Thesis		97
Academic Activities		99
Graduation Studies		106

TOKYO INSTITUTE OF POLYTECHNICS

1583 HIYAMA, ATSUGI, KANAGAWA, 243-02

JAPAN