

CONTENTS

Research on Automatic Measurement of Impulse Electro- magnetic Noise (II) —Radiation from Digital IC—Hiroya SANO and Kozirou SUGINOHARA.....	1
Research on an Automatic Measurement of Impulse Electromagnetic Noise (III) —Induction of Radiated Electromagnetic Noise to Digital Circuit Board—Hiroya SANO, Koozi CHIBA and Fumio MATUMOTO.....	9
An Analysis of Ballistic Diodes with Current Injecting CathodeAsuo AISHIMA.....	17
Dielectrophoretic Spectra of ProtoplastsShuntaro KURINOBU and Takasi ONO.....	23
A Method of Free-Form Deformation for 2-D Images using Bezier ClippingTomoyuki NISHITA and Toshihisa FUJII.....	29
A Practical Evaluation Method of L_{eq} Matched to the Restricted Fluctuation RangeYasuo Mitani.....	37
An Analysis of High Field Transport Properties in InGaAsHideyuki SHAKAI and Ashuo AISHIMA.....	45
Experimental Study on Water Purification in Porous Media by Biofilm Oxidation MethodMasaru Ojima and Shinzaburo Umeda.....	55
Effect of Reinforcement for Elastic Shear Buckling of Square Plates with Reinforced Square HolesMinoru Uenoya and Masaki Nakamura.....	67
Forecasting Model for Damage Restoration of Water Supply Network —Estimation of Importance and Application of Fuzzy Quantification Theory—Toshiaki CHIBA, Kenichi UKEGAWA and Seigo OKANO.....	77

Experimental Study on the New Concrete Block Construction using convexo-concave shape Block units	Akio Nakayama Hirotsugu Kuwada.....	91
A Study on Reason for Selecting and Moving Rooming House of Student around Fukuyama University	Yoshinobu MUROTA.....	99
A Study on Supply Condition of Lodging Houses for Students around Saijoh Campus of Hiroshima University	Yoshinobu MUROTA and Kaname SAKAI.....	105
Shear failure of R/C columns using high strength concrete of $\sigma_b = 600\text{kgf/cm}^2$	Hirotsugu Kuwada Koichi Minami.....	111
Development of a Personal Computer Oriented Bundle Adjustment Program	Susumu Hattori, Akiyoshi Seki.....	123
Improved Method for Measuring Pressure Distribution Around Hypersonic Vehicles by Means of Magnetic Tape	Masatomi NISHIO.....	133
Development of novel analytical methods of sugar chains and their application to the structural analysis of sugar chains from bioactive glycoproteins	Masaya Ohta.....	141