

ISSN 1349 – 6115

MEMOIRS
OF THE
FACULTY OF ENGINEERING
OKAYAMA UNIVERSITY

Volume 47

January 2013

TSUSHIMA, OKAYAMA, JAPAN

MEMOIRS
OF THE
FACULTY OF ENGINEERING
OKAYAMA UNIVERSITY

Volume 47

January 2013

TSUSHIMA, OKAYAMA, JAPAN

Editors for the publication in 2013 fiscal year:

Akiyoshi Osaka (Chair)

Eiji Tomita

Hiroshi Kinoshita

Hidetaka Hayashi

Kenji Sakai

Masaki Murakami

Hirotsugu Minowa

Kan Watanabe

Access to full texts: <http://www.eng.okayama-u.ac.jp>

MEMOIRS OF THE FACULTY OF ENGINEERING
OKAYAMA UNIVERSITY
Volume 47, January 2013

Contents

	<i>Page</i>
Overviews of Optimization Techniques for Geometric Estimation	1
Kenichi KANATANI	
Representation of Torsion Points on Pairing Curves of Embedding Degree 1	19
Yasuyuki NOGAMI and Taichi SUMO	
Lazy Random Walk Efficient for Pollard's Rho Method Attacking on G3 over Barreto-Naehrig Curve (Corrected)	25
Kenta NEKADO, Yusuke TAKAI, and Yasuyuki NOGAMI	

Published and Distributed by
Faculty of Engineering, Okayama University
3-1-1, Tsushima-Naka, Kita-ku, Okayama, 700-8530, Japan
COPYRIGHT: © by the authors