

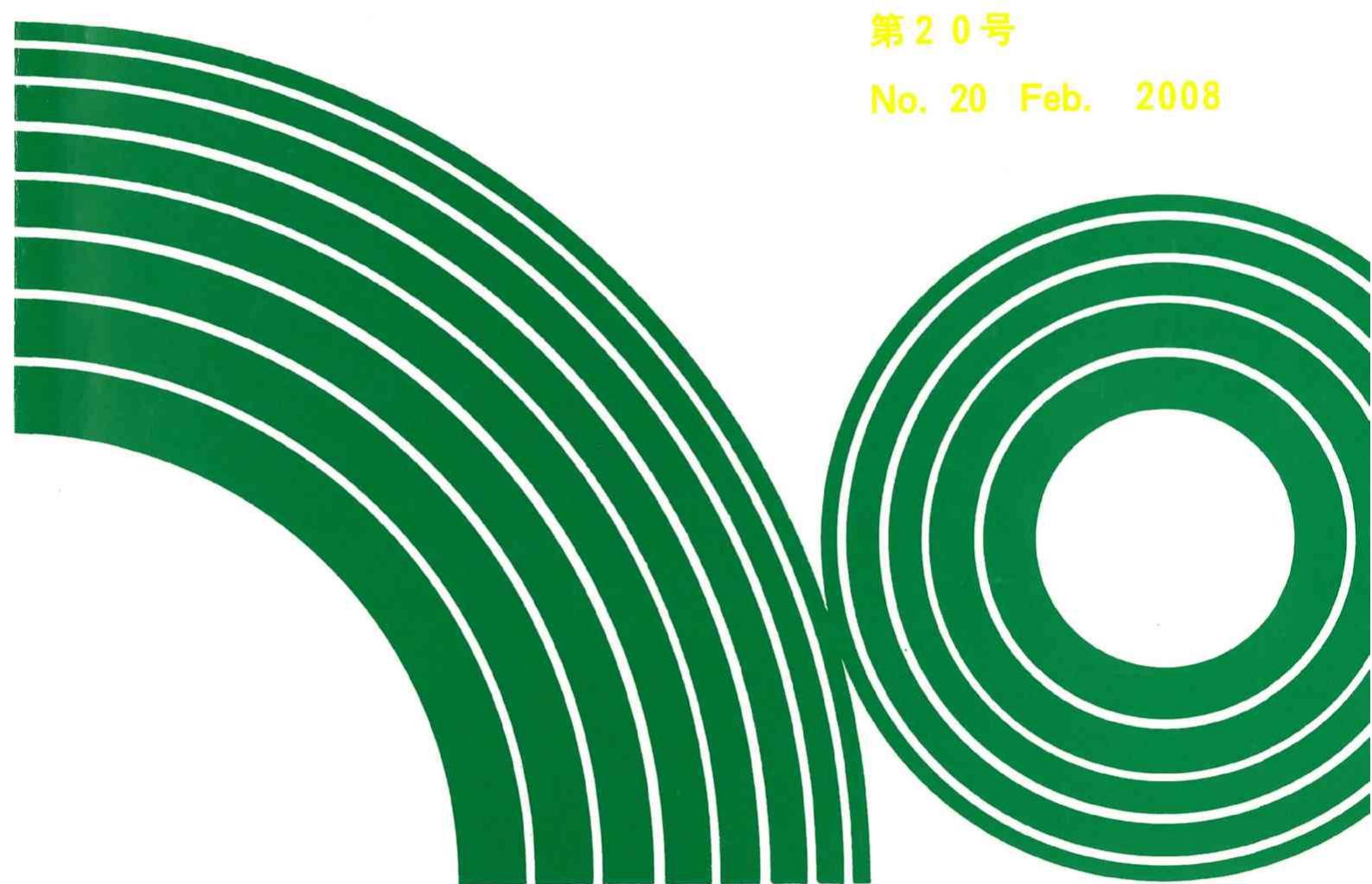
ISSN 0916-2054

理工学総合研究所 研究報告

Science and Technology

第20号

No. 20 Feb. 2008



Kinki University
Research Institute for Science and Technology
Higashi-osaka, Osaka 577-8502 Japan

近畿大学 理工学総合研究所

Science and Technology

Published by Kinki University

MASAYOSHI KIGUCHI

Managing Editor

MASAHIKO MAEKAWA

Vice-Managing Editor

PUBLICATIONS BOARD

MANABU YUASA

TATSUO KAWAHIGASHI NOBUYUKI FUKUSHIMA MASAYOSHI YASUMOTO

KAZUO KUSUDA

*Cover Design
Department of Architecture*

OSAMU FUJINO

*The Head of
Research Institute for Science and Technology*

CONTENTS

Indicators of Chaos Manabu Yuasa and L. M. Saha	1
Implementation of Lagrange Scheme Code for Astrophysical Fluid Dynamics Masayoshi Kiguchi	13
Determination of Macro-Microcomponent Elements in shell of Akoya-gai and its Distribution Osamu Fujino, Kazuhiro Orimi and Masahiko Maekawa	17
Assessment of Mortar Corrosion by Sulphuric Acid Tatsuo Kawahigashi	21
End Joining Activity of DNA Double-Strand Breaks in the Embryonic Mouse Brain Nobuyuki Fukushima	27
Historical Trend of the Anthropogenic Heavy Metal Pollution in the Estuary Sediment of Osaka Bay, Japan Hideo Yamazaki, Sizuka Yamamoto and Kouji Kawabata	35
Measurement of Sulfur Isotopes in the Ore of Cinnabar Mine in Japan Takeshi Minami, Michiaki Bunno, Setsuo Imazu	41
For Planning the Physics General Education in Kinki University Yasushi Kondo and Masayoshi Kiguchi	49
E-learning System to Learn Visualization Tool Masayoshi Yasumoto	63
Talks given at RIST Colloquium	71

Talks

given at

RIST Colloquim

We
understand
that the diversity
of the content should be
the energy to construct sound cul-
tural message tomorrow. RIST is thank-
ful to guest speakers for their talks.

No. 301 June 4, 2007

Deteriorating Mechanism of Highway Bridge Slabs and its Countermeasures, and Investigation of Innovative New Slabs

Hiroshi Higashiyama

Department of Civil and Environmental Engineering, Kinki University

No. 302 July 5, 2007

Indicators of Chaos

L. M. Saha

Department of Mathematics, Zakir Hussain College, University of Delhi

No. 303 December 13, 2007

The Structure of Natural Products and Bioactivity

Yoshihiro Murai

Department of Life Science, Kinki University

平成 20 年 2 月 25 日 印刷
平成 20 年 2 月 29 日 発行

近畿大学理工学総合研究所 研究報告 第 20 号

編集兼発行者 **近畿大学理工学総合研究所**
〒 577-8502 東大阪市小若江 3-4-1
電話 06-6721-2332
印刷所 **近畿大学 管理部 用度課(出版印刷)**

(非売品)