

**BULLETIN
OF
THE FACULTY OF EDUCATION
WAKAYAMA UNIVERSITY**

— NATURAL SCIENCE —

No.58 February 2008

CONTENTS

| | |
|---|---------------------------|
| Definable G fibrations | Tomohiro KAWAKAMI 1 |
| Definable C^r groups and proper definable actions | Tomohiro KAWAKAMI 9 |
| Oxidation of Sulfides with Tetraalkylammonium Dichlorobromate(1-) Takeshi NEGORO & Ken ZINZAI & Shiho NEGORO & Michiyo MAEDA Emika IIBOSHI & Chie TSUJIMOTO & Miki AYABE & Atsusi MATSUMOTO Hiroko MATSUOKA & Fumiko NAKAMURA | 19 |
| Metal Valence and Spin Structures in 1-D Ni-Pd Mixed-Metal Complexes, $[\text{Ni}_{1-x}\text{Pd}_x\text{Br}(\text{chxn})_2]$ $(\text{NO}_3)_2$ ($0.00 \leq x \leq 1.00$), Studied by ^{13}C NMR and ESR Measurements Aki JOSAKO & Noriyoshi KIMURA | 31 |
| Preparation of TiO_2 thin film by spray pyrolysis method using $\text{Ti}(\text{C}_5\text{H}_7\text{O}_2)_2$ solution Ping GU (Yuri OH) | 35 |
| Effect of the Surface Area of Wooden Block on the Combustion Performance Hiroyuki IKEGIWA | 41 |