

# Contents

<b>On Formal Series of Jacobi Forms and Borchers Products.....</b>	<b>1</b>
Hiroki Aoki	
<b>Finite or Infinite Number of Solutions of Polynomial Congruences in Two Positive Integer Variables .....</b>	<b>11</b>
Thomas Bier	
<b>On the Genus Version of the Basis Problem II: The Case of Oldforms ....</b>	<b>27</b>
Siegfried Böcherer	
<b>On <math>p</math>-Adic Properties of Siegel Modular Forms .....</b>	<b>47</b>
Siegfried Böcherer and Shoyu Nagaoka	
<b>On the Existence of Hermitian Self-Dual Extended Abelian Group Codes .....</b>	<b>67</b>
Lilabeth Dicuango-Valdez, Pieter Moree, and Patrick Solé	
<b>Restrictions of Jacobi Forms of Several Variables .....</b>	<b>85</b>
Till Dieckmann	
<b>Reversing Borchers Lifts: A Survey .....</b>	<b>93</b>
Bernhard Heim and Atsushi Murase	
<b>Additive and Multiplicative Lifting Properties of the Igusa Modular Form .....</b>	<b>103</b>
Bernhard Heim and Atsushi Murase	
<b>On the Special Values of Certain L-Series Related to Half-Integral Weight Modular Forms .....</b>	<b>119</b>
Hidenori Katsurada	
<b>On Explicit Dimension Formulas for Spaces of Siegel Cusp Forms of Degree Two and Their Applications .....</b>	<b>137</b>
Hidetaka Kitayama	

<b>Borcherds Lift on the Paramodular Group of Level 3</b> .....	151
Judith Kreuzer	
<b>The Restriction of Octonionic Theta Constants to the Quaternionic Half-Space</b> .....	163
C. Dieckmann and A. Krieg	
<b>On the Proportion of Quadratic Twists for Non-vanishing and Vanishing Central Values of <math>L</math>-Functions Attached to Primitive Forms</b> .....	173
Kenji Makiyama	
<b>Bessel Periods of Theta Lifts to <math>GSp(1, 1)</math> and Central Values of Some <math>L</math>-Functions of Convolution Type</b> .....	179
Hiro-aki Narita	
<b>Intersections of Two Walls of the Gottschling Fundamental Domain of the Siegel Modular Group of Genus Two</b> .....	193
Takayuki Oda	
<b>Nonvanishing of <math>L</math>-Functions Associated to Cusp Forms of Half-Integral Weight</b> .....	223
B. Ramakrishnan and Karam Deo Shankhadhar	
<b>Hermitian Modular Forms of Degree 2 over the Eisenstein Integers</b> .....	233
Martin Woitalla	

Automorphic Forms

Research in Number Theory from Oman

Heim, B.; Al-Baali, M.; Ibukiyama, T.; Rupp, F. (Eds.)

2014, XIV, 242 p. 9 illus., 3 illus. in color., Hardcover

ISBN: 978-3-319-11351-7