

数理解析研究所講究録 1590

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数論と確率論

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This is a report of research done at Research Institute for Mathematical Sciences, Kyoto University. The papers contained herein are in final form and will not be submitted for publication elsewhere.

## Preface.

Itô Research Division of Mathematical Analysis (endowed by Nomura Group) has been established in RIMS (Research Institute for Mathematical Sciences, Kyoto University), since October 1, 2007.

As the first academic activity of Itô Research Division, the Workshop “Number Theory and Probability Theory” was held on October 15 and 16, 2007, at RIMS and IAS (International Institute for Advanced Studies). This workshop was suggested by Guest Professor Marc Yor of Itô Research Division, and we planned it under the supervision of Professor Yoichiro Takahashi of RIMS.

The present volume includes several survey articles and research papers on various recent topics around the border area between number theory and probability theory, which were presented in the workshop.

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Hiroshi SUGITA

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Number Theory and Probability Theory

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研究代表者 杉田 洋 (Hiroshi Sugita)

副代表者 白井 朋之 (Tomoyuki Shirai)

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