

보형형식의 스펙트럼 이론에 관한 여름학교

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The summer school was held at Postech in Pohang between August 11 and 14, 2008. It was jointly organized by Professor YoungJu Choie from Mathematics department at Postech and Professor Youn-Seo Choi and Professor Jinsung Park from KIAS. The summer school went on for three and half days. There were two main lecture series, given by Yiannis Petridis from University College London and Wenzhi Luo from Ohio State University. Both of the main lecture series speakers gave three 100 minute talks. Except of these two main lecture series, there were four one-hour talks, given by various speakers. About forty graduate students and researchers attended this summer school. The theme of this summer school was spectral theory of automorphic forms. Automorphic forms are one of the central topics of analytic number theory and sit at the confluence of analysis, algebra, geometry and number theory. The theory of automorphic forms is intimately related with the spectral theory of hyperbolic manifolds. On the first day of the summer school, Dr. Yiannis Petridis gave two lectures on “Introduction to the spectral theory of automorphic forms” and Professor Masao Tsuzuki from Sophia University spoke on “Spectral square means of period integrals for automorphic forms on symmetric spaces”. On the second day, Dr. Yiannis Petridis continued his third lecture. Then Dr. Satadal Ganguly from Tata Institute of Fundamental Research spoke on “Counting Galois representations by spectral trace formula” and Dr. Andrew Booker from University of Bristol spoke on “Computing non-holomorphic modular forms”. The banquet was held at POSCO international center. On the third day, Professor Wenzhi Lou gave two lectures on

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“Equidistribution results on the homogeneous varieties” and Dr. Dohoon Choi spoke on “The Fourier expansions of modular forms with their divisors”. On the last day, Professor Wenzhi Lou continued his third lecture. The summer school was finished before noon. By attending a summer school such as this one you have the opportunity to learn some subjects from lecture series and also listen to reports of some research topics. The conversations and discussions between the speakers and the attendants were just as valuable as the lectures themselves. Thanks to the organizers for organizing such an excellent summer school and the speakers for their efforts and contributions. [KIAS](#)