

The Eleventh Takagi Lectures



Teiji Takagi (1875-1960)

Date : November 17 (Sat) - 18 (Sun), 2012

Place : Graduate School of Mathematical Sciences, The University of Tokyo



P. F. Baum

(The Pennsylvania State University)

Two Lectures on
Non-Commutative Geometry and the
Local Langlands Conjecture



A. Lubotzky

(Einstein Institute of Mathematics)

Two Lectures on
Ramanujan Complexes and High
Dimensional Expanders



R. Seiringer

(McGill University)

Two Lectures on
Hot Topics in Cold Gases — A
Mathematical Physics Perspective

◆ List of Takagi Lecturers

- 2006 S. Bloch, P.-L. Lions, S. Smale, C. Voisin
- 2007 K.-H. Neeb, D.-V. Voiculescu, M. Yor, J. Makino, P. Malliavin
- 2008 H. Ooguri, O. Viro, J.-P. Bourguignon, É. Ghys, M. Kontsevich, N. A. Nekrasov
- 2009 M. Khovanov, D. McDuff, M. Harris, M. Hopkins, U. Jannsen, C. Khare, J. McKernan
- 2010 A. Connes, S. Gukov
- 2011 S. Brendle, C. Kenig
- 2012 Y. Benoist, A. Naor



JAPANESE JOURNAL OF MATHEMATICS
SINCE 1924
Articles based on the Takagi Lectures
are to appear in the *Japanese Journal of Mathematics* (the official journal
of Math. Soc. Japan, published by
Springer).

Organizing Committee:

Y. Kawahigashi / T. Kobayashi / H. Nakajima / K. Ono / T. Saito

(Univ. of Tokyo)

(Univ. of Tokyo)

(RIMS, Kyoto)

(RIMS, Kyoto) (Univ. of Tokyo)



The Mathematical Society of Japan



Graduate School of
Mathematical Sciences,
The University of Tokyo

Supported by



Japanese Journal of Mathematics



Math Sci Univ Tokyo
Global COE Program

Takagi Lectures Web site:

<http://www.ms.u-tokyo.ac.jp/~toshi/takagi/>

The Eleventh Takagi Lectures are partially supported by the ICM 90 Kyoto Fund.