代数解析の未来　(Special Project) organised by T. Tanisaki and K. Takeuchi
Date: １月１５日 (火) – １月１８日 (金) , 2002
Place: 京都大学数理解析研究所, 202 号室 (2F)

Jan 15 (Tuesday)
13:25 ~ 13:30 Opening ceremony
13:30 ~ 14:20 P. Schapira (Paris 6, France)
Review on ind-sheaves (with M. Kashiwara)
14:30 ~ 15:20 K. Vilonen (Northwestern univ, USA)
Character formulas for representations of real Lie groups (with W. Schmid)
15:30 ~ 16:20 Mutsumi Saito (Hokkaido univ)
Isomorphism classes of A-hypergeometric systems

Jan 16 (Wednesday)
10:00 ~ 10:50 P. Schapira (Paris 6, France)
Micro-support and regularity for ind-sheaves, applications to D-modules and open problems (with M. Kashiwara)
11:00 ~ 11:50 N. Takahashi (Hiroshima univ.)
An algebra of differential operators on the formal superloop space
13:30 ~ 14:20 T. Kakehi (Univ. of Tsukuba)
Some estimates for Radon transforms
14:30 ~ 15:20 A. D'Agnolo (Paris 6, France)
Radon and Fourier transform for D-modules
15:30 ~ 16:20 C. Marastoni (Padova univ, Italy)
Duality for generalized flag manifolds and D-modules

Jan 17 (Thursday)
10:00 ~ 10:50 K. Vilonen (Northwestern univ, USA)
Geometric Satake isomorphism (with I. Mirkovic)
11:00 ~ 11:50 S. Tajima (Niigata univ.) and Y. Nakamura (Ochanomizu univ.)
Toward the computation of the Grothendieck local residues
13:30 ~ 14:20 K. Takeuchi (Univ. of Tsukuba)
On a certain class of holonomic D-modules
14:30 ~ 15:20 Y. Sugiki (Univ. of Tokyo)
The dual concept of sheaves and Integral transfroms
18:00 ~ reception

Jan 18 (Friday)

10:00 ~ 10:50 A. Kamita (Hiroshima univ.)
Generalized universal Verma modules and b-functions

11:00 ~ 11:50 T. Oaku (Tokyo woman's Christian univ.) and N. Takayama (Kobe univ.)
Minimal filtered free resolutions of homogenized D-modules

13:30 ~ 14:20 J-P. Schneiders (Paris 13, France)
Sheaves with values in quasi-abelian categories

14:30 ~ 15:20 J-P. Schneiders (Paris 13, France)
Topological sheaves and reconstruction theorem for D^{∞}-modules (with F. Prosmans)

15:30 ~ 16:20 K. Vilonen (Northwestern univ, USA)
On the geometric Langlands conjecture