Representation of finite dimensional Algebras
and
Lie Theory

Dates: 18 June — 21 June, 2007
Place: Room 115 , RIMS, Kyoto University
Organised by Kyoji Saito, RIMS, Kyoto University

Note. June 18 is the holiday of Kyoto university and the main entrance of the RIMS building is closed. Please enter from the north entrance.

Program

18 June (Monday)

13:30–15:00   Hideto Asashiba:
　　　　　　Root spaces of simple Lie algebras realized by Hall algebras
　　　　　　of domestic canonical algebras.

15:30–17:00   Jie Xiao(1):
　　　　　　Hall algebras associated to triangulated categories.

19 June (Tuesday)

10:30–12:00   Liyangan Peng:
　　　　　　TBA

13:30–15:00   Baming Deng:
　　　　　　Fundamental relations in Ringel-Hall algebras.

15:30–17:00   Atsushi Takahashi:
　　　　　　Weighted projective lines associated to regular systems of weights of
　　　　　　dual type.

20 June (Wednesday)

9:30–11:00   Yoshiyuki Kimura:
　　　　　　Affine quivers and the crystal base $B(\infty)$ I.

11:30–13:00   Yanan Lin:
　　　　　　Generic sheaves over elliptic curves.

Afternoon: free,

21 June (Thursday)

10:30–12:00   Yoshiyuki Kimura:
　　　　　　Affine quivers and the crystal base $B(\infty)$ II.

13:30–15:00   Hiroshige Kajiura:
　　　　　　Triangulated category of matrix factorizations for regular systems of
　　　　　　weights with $\varepsilon = -1$.

15:30–17:00   Jie Xiao(2):
　　　　　　Green's formula and Caldero-Keller's formula for cluster algebras