

WORKSHOP ON REPRESENTATION THEORY AND INVARIANT THEORY

Dates: March 20-22, 2000
Place: Department of Mathematics,
National University of Singapore

Programme

Monday, March 20: (Venue: CRA)

9:00-9:50: Hiroshi Yamashita (Hokkaido University)
"On generalized Whittaker models for highest weight modules"

10:00-10:50: Tohru Uzawa (Rikkyo University)
"Symmetric varieties and applications, I"

11:00-11:50: Kyo Nishiyama (Kyoto University)
"On the geometry of nilpotent orbits"

Lunch break

14:00-14:50: Chen-bo Zhu (NUS)
"A distinguished nilpotent orbit of $O(2n,2n)$ and its associated representation"

Tea break

16:00-16:50: Hiroyuki Ochiai (Kyushu University)
"The degree of orbits of multiplicity-free actions"

Tuesday, March 21: (Venue: Math Studio for morning, CRB for afternoon)

9:00-9:50: Eng Chye Tan (NUS)
"On the dual pair $(O(p,q), SL(2,R))$, $(U(p,q), U(1,1))$ and $(Sp(p,q), O^*(4))$ "

10:00-10:50: Jing-Song Huang (HKUST)
"Eigenspace representations on homogeneous spaces"

11:00-11:50: Hung Yean Loke (NUS)
"Degenerate principal series of $U(p,q)$, I"

Lunch break

14:00-14:50: Xiaoping Xu (HKUST)
“Theta series of unimodular lattices, combinatorial identities and weighted symmetric polynomials”

Tea break

16:00-16:50: Soo Teck Lee (NUS)
“Degenerate principal series of $U(p,q)$, II”

Workshop dinner

Wednesday, March 22: (Venue: CRB)

9:00-9:50: Hisayosi Matumoto (University of Tokyo)
“On certain degenerate principal series”

10:00-10:50: Hiroshi Yamashita (Hokkaido University)
“On the n -cohomology of quaternionic discrete series”

11:00-11:50: Tohru Uzawa (Rikkyo University)
“Symmetric varieties and applications, II”

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