

Recent Developments in Linear Operator Theory and its
Applications

October 5–7, 2005

Conference at RIMS

Organizer: Mitsuru Uchiyama

Program

October 5,	Wednesday
13:00 ~ 13:05	Opening Chair S.Ota
13:10 ~ 14:00	F. Hansen (Univ. of Copenhagen) Trace functions as Laplace transforms
14:10 ~ 14:40	J. Tomiyama Locality of structure of monotone matrix functions and convex matrix functions
14:50 ~ 15:20	I. Sasaki Ground State of the Nelson Model
15:30 ~ 16:00	M. Fujii, E. Kamei, R. Nakamoto Ando-Hiai inequality and Furuta inequality
16:10 ~ 17:00	H. Kosaki

October 6	Thursday, Chair: K. Okubo
9:00 ~ 9:50	R. Bhatia(Indian Statistical Institute) Some problems of harmonic analysis in matrix theory
10:00 ~ 10:30	H. Nakazato Numerical range of an operator on a finite dimensional Krein space
10:40 ~ 11:10	T. Yamazaki An extension of Kantorovich inequality to n-matrices
11:20 ~ 12:00	K. Tanahashi Extensions of Putnam's Inequality
	Chair: M. Fujii
13:20 ~ 14:10	M. Ptak (Univ. of Agriculture at Krakow) On the reflexivity and hyperreflexivity of subspaces and algebras of operators
14:20 ~ 14:50	T. Furuta Reverse inequalities associated with Tsallis relative operator entropy via generalized Kantorovich constant
15:00 ~ 15:30	S. Furuichi, K. Yanagi, K. Kuriyama Operator inequalities and trace inequalities related to Tsallis entropy
15:40 ~ 16:10	M. Yanagida Classes of non-normal operators defined by inequalities for operator means
16:20 ~ 17:00	M. Cho Trace formulae and principal functions of Hilbert space operators
October 7	Friday, Chair:
9:00 ~ 9:50	M. Choi (Univ. of Toronto) Normal dilations
10:00 ~ 10:30	M. Enomoto , Y. Watatani Indecomposable representations of quivers on infinite dimensional Hilbert spaces
10:40 ~ 11:10	S. Wada † Some refinements of the Cauchy-Schwarz inequality and their generalizations
11:20 ~ 11:50	M. Uchiyama The family of inverses of operator monotone functions and operator inequalities
11:55 ~ 12:00	Closing