The 8th Discussion Meeting on Spacetime Singularity

Held at Gakushuin University, Jan. 6-8, 2007.

Lecture: Prof. K. Akutagawa
Yamabe Problem, Positive Mass Theorem and Yamabe Invariant

Lecture: Prof. I. Racz
Part I: On the Rigidity of Stationary Black Hole Spacetimes
Part II: On the uniqueness of stationary black holes: In a new framework

SAT. JAN. 6

		Gakushuin 100th Anniversary Memorial Hall
9:00	Y. Morisawa	Something Doubly Spinning Solution
9:45	H. Iguchi	Some aspects of black di-rings
10:30		Coffee Break
10:50	H. Kodama	Comments on a higher-dimensional C metric
11:35	N. Sakai	Stability of Q-balls and Catastrophe
12:10	M. Siino	
12:55	Lunch	
		South Building No. 1
14:30	Lecture 1	
	K. Akutagawa	Yamabe Problem, Positive Mass Theorem and Yamabe Invariant I
16:00	Coffee Break	
16:20	Lecture 2	
	K. Akutagawa	Yamabe Problem, Positive Mass Theorem and Yamabe Invariant II
17:50	End	

SUN. JAN. 7

		South Building No.1
9:00	Lecture 3	
	K. Akutagawa	Yamabe Problem, Positive Mass Theorem and Yamabe Invariant III
10:30	Coffee Break	
10:50	Lecture 4	
	K. Akutagawa	Yamabe Problem, Positive Mass Theorem and Yamabe Invariant IV
12:20	Lunch	
		Gakushuin 100th Anniversary Memorial Hall
13:50	Lecture 1	
	Istvan Racz	Part I: On the Rigidity of Stationary Black Hole Spacetimes
15:20	Coffee Break	
15:40	K. Nakao	Relativistic gravitational collapse of cylindrical dust
16:25	M. Narita	On nonlinear wave on curved spacetimes
17:10	H. Hanami	
17:55	End	
19:00	Party	

MON. JAN. 8

		Gakushuin 100th Anniversary Memorial Hall
8:45	T. Harada	Classification of self-similar solutions in a universe containing dark energy
9:30	H. Maeda	Possibility of self-similar black hole or wormhole in the universe with dark energy
10:15	E. Mitsuda	Instability of the self-similar solution describing homogeneous perfect fluid collapse: Implications for new critical phenomena
11:00	Coffee Break	
11:20	Lecture 2	
	Istvan Racz	Part II: On the uniqueness of stationary black holes: In a new framework
12:50	Lunch	
14:00	H. Saida	Nonequilibrium phenomena in black hole evaporation
14:45	D. Ida	Topology change of black holes
15:30	Coffee Break	
15:40	Y. Kurita	Mass and free energy in themodynamics of Kaluza-Klein black holes with squashed horizons
16:25	T. Kimura	Kaluza-Klein Multi-Black Holes
17:10	S. Tomizawa	
17:55	End	