

Workshop on Contemporary Mathematics
IMPA, Rio de Janeiro, April 25-26, 2005

APRIL 25 - MONDAY

9:45 10:00	O P E N N I N G	
10:00 10:45	John Ball (Oxford University)	Some open problems in the calculus of variations and elasticity
10:45 11:00	COFFEE	BREAK
11:00 11:45	Masaki Kashiwara (Kyoto University)	Quantization of contact manifolds
L U N C H		
14:00 14:45	Victor A. Vassiliev (Steklov Institute of Mathematics)	Invariants of self-intersecting curves in \mathbb{R}^3
COFFEE		BREAK
15:00 15:45	Marcelo Viana (IMPA)	Dynamics in the moduli space of Abelian differentials
COFFEE		BREAK
16:00 16:45	Martin Groetschel (TU and ZIB Berlin)	TSP: State and art

APRIL 26 - TUESDAY

09:30 10:15	Jean Michel Bismut (Université Paris-Sud)	The hypoelliptic Laplacian
COFFEE		BREAK
10:30 11:15	Zhi-Ming Ma (Ac. of Math and Syst. Sciences Inst. of Applied Math. - CAS)	Quasi-regular dirichet forms and stochastic analysis on configuration spaces
11:15 12:00	Ragni Piene (Univ. of Oslo)	The curve counting problem