

6th International Symposium on Generalized Convexity/Monotonicity

Karlovassi, Samos, August 30 - September 3, 1999

Program

Sunday 29/8

20.00

Reception and registration

Monday 30/8

Morning session

8.30-8.40	Welcoming address		Chair
8.40-9.40	J. Jahn	Set-valued optimization (<i>Invited talk</i>)	S. Komlosi
9.40-10.05	S. Schaible	Duality for equilibrium problems under generalized monotonicity	
10.05-10.30	N. Rueda	Duality for a non-differentiable programming problem with generalized invexity	
10.30-10.50	Coffee Break		
10.50-11.15	D. Aussel	Normal operator in quasiconvex analysis: monotonicity, regularity and integration properties	J. P. Penot
11.15-11.40	G. Hansen	Generalized convexity for unbounded sets: the enlarged affine space	
11.40-12.05	Z. Pales	Geometric separation theorems for convex sets	
12.15-12.40	I. Singer	On suprema of abstract convex and quasi-convex hulls	F. Flores-Bazan
12.40-13.05	C. Zalinescu	Harmonic sum and duality	
Afternoon session			
17.00-17.25	A. Eberhard	Subjects of d.c functions and d.c. optimality	R. Cambini
17.25-17.50	A. Ferrer-Biosca	Decomposition of a polynomial function as a difference of convex functions. Application to a model of hydro-electric generation	
17.50-18.15	J. E. Martinez-Legaz	Duality in d.c. programming: the case of several d.c. constraints	
18.15-18.35	Coffee Break		
18.35-19.00	B. Craven	Global invexity	G. Giorgi

19.00-19.25	A. Stefanescu	New invexity-type conditions for global optimization
19.25-19.50	C. F. Hu	Solving fuzzy inequalities with concave membership functions

Tuesday 31/8

Morning session		Chair
8.40-9.40	A. Prekopa	Discrete higher order convex functions and their applications (<i>Invited Talk</i>)
9.40-10.05	C. R. Bector	On mixed lagrangian function and saddle point optimality criteria in mathematical programming
10.05-10.30	M. Sniedovich	Hyper-sensitivity analysis via composite concave programming
10.30-10.50	Coffee Break	
10.50-11.15	G. Giorgi	Proper efficiency and generalized convexity in nonsmooth vector optimization problems
11.15-11.40	F. Flores-Bazan	Simplified optimality conditions for minimizing a difference of vector-valued functions
11.40-12.05	L. J. Lin	Existence of equilibria for multivalued mappings and its applications to vectorial equilibria
12.15-12.40	M. Vlach	Triangular norm, generalized quasiconcavity and compromise solutions
12.40-13.05	S. Tigan	Numerical methods for solving some special max-min programming problems involving generalized convex functions
Afternoon session		
17.00-17.25	S. Komlosi	Convex-, D-convex and quasiconvex Farkas Theorems
17.25-17.50	A. Stefanescu	Convexity beyond vector spaces, alternative theorems and minimax equality
17.50-18.15	J. P. Penot	Convexity and generalized convexity methods for the study of Hamilton-Jacobi equations
18.15-18.30	Coffee Break	
18.30	General Assembly	

Wednesday 1/9

Morning session			Chair
8.30-9.30	P. Pardalos	Global continuous approaches to discrete optimization problems (<i>Invited talk</i>)	N. Hadjisavvas
9.30-9.55	R. John	A note on Minty variational inequalities and generalized monotonicity	
9.55-10.20	I. Konnov	On vector equilibrium and vector variational inequality problems	
10.20-10.35	Coffee break		
10.35-11.00	H.C. Lai	Fractional complex programming problem involving generalized convex analytic functions	I. Konnov
11.00-11.25	J. C. Yao	On strong solutions of the generalized implicit vector variational problem	
12.00	Excursion around the island		

Thursday 2/9

Morning session			Chair
8.40-9.40	H. Konno	Minimization of the sum of several linear fractional functions (<i>Invited talk</i>)	J. E. Martinez-Legaz
9.40-10.05	S. Kum	A remark on implicit vector variational inequalities	
10.05-10.30	L. Carosi	On the supremum of some classes of nonlinear fractional problems	
10.30-10.50	Coffee Break		
10.50-11.15	P. Gupta	Duality for fractional minmax problems involving arcwise connected and generalized arcwise connected functions	J. B. G. Frenk
11.15-11.40	J. P. Crouzeix	Recovering an utility function from a differentiable demand function	
11.40-12.05	R. Cambini	First and second order characterizations of a class of pseudoconcave vector valued functions	
12.15-12.40	S. Schaible	Positive sub-definite matrices, generalized monotonicity and linear complementarity problems	C. R. Bector
12.40-13.05	I. Kolumban	Sharply pseudoconvex functions	

Afternoon Parallel Sessions

Session 1			Chair
17.00-17.25	M. Rocca	$C^{k,l}$ functions and divided differences	T. Rapcsak
17.25-17.50	D. S. Kim	Optimality conditions in nonsmooth mutliobjective programming	

17.50-18.15	C. Lefevre	Generalized stochastic convexity and stochastic ordering of mixtures	
18.15-18.35	Coffee Break		
18.35-19.00	S. Mendonca	A probabilistic approach to higher order convexity	E. Castagnoli
19.00-19.25	A. Mueller	Stochastic orders generated by generalized convex functions	
19.25-19.50	G. Redaelli	Vector stochastic optimization problems	
Session 2			
17.00-17.25	D. La Torre	Some properties of a.e. generalized convex functions	C. Zalinescu
17.25-17.50	M. S. Ali	Support curves ensuring the trigonometrical convexity	
17.50-18.15	D. Cieslik	The Steiner ratio of L_p^3 -spaces	
18.15-18.35	Coffee Break		
18.35-19.00	B. Djafari- Rouhani	Fixed point Theorems, coincidence Theorems, and variational inequalities	I. Singer
19.00-19.25	T. Rapcsak	Generalized convexity and geometry of path	
19.25-19.50	A. Petrusel	Convexity and decomposability in multivalued analysis	
21.00	Symposium Dinner		

Friday 3/9

Morning session			Chair
8.30-8.55	G. Kassay	On dual representation of generalized convex functions	D. T. Luc
8.55-9.20	N. Popovici	Scalar characterizations of (G, W) -quasiconvex functions	
9.20-9.45	A. Daniilidis	On the question of integration of multivalued operators	
9.45-10.10	O. Chadli	Existence results for equilibrium problems and applications	
10.10-10.35	R. Urbanski	Minimal and reduced pairs of convex bounded sets	
10.35-10.55	Coffee break		
10.55-11.20	P. Kumar	Vector invex n-set functions and minmax programming	B. Craven

11.20-11.45	D. Bhatia	Generalized rho-invexity and duality for nonsmooth multiojective continuous programming problems	A. Cambini
11.45-12.10	A. Mehra	Lagrangian duality for multiobjective B-vex programming with n-set functions	
12.20-12.45	E. Castagnoli	Stochastic dominance and unanimous preferences	
12.45-13.10	G. Bigi	Saddlepoint optimality criteria in vector optimization	
13.10-13.35	A. Beato-Moreno	Multiobjective programming with rho-convex functions	
13.35-14.00	I. Stancu-Minasian	Optimality conditions for multiobjective programming problems with generalized d-type-I and related n-set functions	