

**INDICE PER ANNO DEI
SUPPLEMENTI AI RENDICONTI DEL
CIRCOLO MATEMATICO DI PALERMO
SERIE II 1978 - 2006**

**INDICE DEL NUMERO 1, 1981, Atti del seminario di analisi armonica, Pisa 8-17
Aprile 1980**

- **Meyer Y.** - *Remarques sur un théorème de J. M. Bony*, pag. 1
- **Cowling M.** - *On Littlewood-Paley-Stein theor*, pag. 21
- **Sjolin P.** - *Convolution with oscillating kernels on L^p and H^p spaces*, pag. 57
- **Prestini E.** - *On the two proofs of almost everywhere convergence of Fourier series for L^2 functions*, pag. 65
- **Casas A. and De Guzman M.** - *On the existence of Nikodim sets and related topics*, pag. 69
- **Cordoba A.** - *Some remarks on the Littlewood-Paley theory*, pag. 75
- **Stein E. - Taibleson M. - G. Weiss.** - *Weak type estimates for maximal operators on certain H^p classes*, pag. 81
- **Fefferman R.** - *Some problems in real variable theory involving multiple parameter families of operators*, pag. 99
- **Arendt W.** - *Spectral mapping theorems for compact and locally compact abelian groups of operators*, pag. 105
- **D'Antoni B.** - *Functional calculus and rapresentation of locally compact abelian groups*, pag. 107
- **Janson S.** - *Lipschitz spaces and bounded mean oscillations*, pag. 111

- **Chao J.A. - Gilbert J. - Tomas P.** - *Molecular decompositions in H^p theory*, pag. 115
- **Ricci F. - Taibleson M.** - *Representation theorems for harmonic functions in mixed norm spaces on the half-plane*, pag. 121
- **Fabes E.** - *Various notions of the Hardy space, H^p , of a C^1 -domain*, pag. 129
- **O'Neil R.** - *Spaces formed with special atoms*, pag. 139
- **Clerc J. L.** - *On the asymptotic behaviour of generalized Bessel functions*, pag. 145
- **Koranyi A.** - *Wiener-Hopf operators on bounded symmetric domains*, pag. 149
- **Hulanicki A.** - *Stochastic integral of Markov processes and the Heisenberg group*, pag. 153
- **Kunze R.** - *Generalized Bessel functions in the Fock space*, pag. 163
- **Giulini S. - Soardi P. - Travaglini G.** - *Norms of characters and convergence of Fourier series on compact Lie groups*, pag. 171
- **Colzani L. - Soardi P.** - *L^p norms of certain kernels on the N -dimensional torus*, pag. 175
- **Rochberg R. - Weiss G.** - *Complex interpolation of subspaces of Banach spaces*, pag. 179
- **Sjogren P.** - *On Hormander-Mihlin multipliers and Littlewood-Paley decompositions*, pag. 187
- **Mauceri G. - Picardello M. - Ricci F.** - *Twisted convolution, Hardy spaces and Hormander multipliers*, pag. 191
- **Cowling M.** - *A remark on twisted convolution*, pag. 203

INDICE DEL NUMERO 2, 1982

- *Foreword*, pag. 9
- **Bukovsky' L. - Coplakova E.** - *Rapid ultrafilter need not be q -point*, pag. 15
- **Cerin Z.** - *On medial properties of maps*, pag. 21
- **Demaria D.C.** - *A combinatorial interpretation of homotopy groups of polyhedra*, pag. 35

- **De Vries J.** - Furstenberg's theorem in topological dynamics, pag. 41
- **Flachsmeyer J.** - *Note on orthocomplemented posets II*, pag. 67
- **Floret K.** - *The precompactness, Lemma*, pag.75
- **Floret K.** - *Two questions concerning vector-valued holomorphic functions*, pag. 83
- **Graf S.** - *Selected results on measurable selections*, pag. 87
- **Greim P.** - *Banach-Stone theorems for non-separably valued Bochner L^{∞} -spaces*, pag. 123
- **Grzaslewicz R.** - *On isometric domains of positive operators on orlicz spaces*, pag. 131
- **Hofmann G.** - *Characterization of the extremal rays of the cones of positive elements in tensor algebras*, pag. 135
- **Iwanik A.** - *On norm attaining operators acting from L^{∞} to $C(S)$* , pag. 147
- **Jarchow H.** - *On Hilbert-Schmidt spaces*, pag. 153
- **Jetschke G.** - *Different approaches to stochastic parabolic differential equations*, pag. 161
- **Lovasz L. - Recski A.** - *Selected topics of matroid theory and its applications*, pag. 171
- **Mesiar R.** - *Martingale theorems in the ergodic theory*, pag. 187
- **Nesetril J. - Promel H. J. - Rodl V. - Voigt B.** - *Canonical ordering theorems, a first attempt*, pag. 193
- **Popa N.** - *Interpolation theorems for rearrangement invariant p -spaces of functions, $0 < p < 1$, and some Applications*, pag. 199
- **Preiss D.** - *Gateaux differentiable Lipschitz functions need not be Frechet differentiable on a Residual subset*, pag. 217
- **Promel H. J. - Voigt B.** *Canonical partition theorems for finite distributive lattices*, pag. 223
- **Pultr A.** - *A characterization of a class of graphs connected with the hysteresis phenomena*, pag. 239
- **Pultr A. - Ulehla J.** - *On two problems of mice*, pag. 249
- **Rodl V.** - *Note on packing covering and turàn numbers*, pag. 263
- **Szabo' L.** - *Geometrodynamic of wormholes*, pag. 267
- **Thomas G. G.** - *On permutographs*, pag. 275

- **Vilimovsky J.** - Entropic dimension of uniform spaces, pag. 287
- **Vojtas P.** - *Simultaneous strategies and boolean games of uncountable length*, pag. 293
- **Wrobel V.** - *Tensor products of linear operators in locally convex spaces*, pag. 299

INDICE DEL NUMERO 3, 1984

- *Foreword*, pag. 9
- **Behrends E.** - *M-Structure (a survey)*, pag.15
- **Bezdek A.** - *On the section of a lattice-covering of balls*, pag. 23
- **Blaszczyk A.** - *Irreducible images of $\square N-N$* , pag.47
- **Bracks F.** – **Delanghe R.** – **Sommen F.** - *Cauchy-Kowalewski theorems in Clifford analysis: a survey*, pag. 55
- **Bukovsky L.** – **Butkovicova E.** - *A universal function for continuous functions*, pag.71
- **Butkovicova E.** - *Subsets of $\square N$ without an infimum in Rudin-Frolik order*, pag. 75
- **Bures J.** - *Some integral formulas in complex Clifford analysis*, pag. 81
- **Guido C.** - *On strongly connected to spaces*, pag. 89
- **Corrigan E.** - *A brief introduction to the monopole*, pag. 97
- **Demaria D. C.** - **Carbaccio Bogin R.** - *Homotopy and homology in pretopological spaces*, pag. 119
- **Doebner H. D.** – **Tolar J.** - *Quantization on submanifolds*, pag. 127
- **Fric R.** – **Vojtas P.** - *Convergent sequences in $\square X$* , pag. 133
- **Fried J.** - *Open cover of a metric space admits $\mathbb{I}\square$ -partition of unity*, pag. 139
- **Grabowski J.** - *Groups of diffeomorphisms and Lie theory*, pag. 141
- **Grzaslewicz R.** - *On the representation of norm attaining positive operators on L^{∞}* , pag. 149
- **Hruby J.** - *Why extended numbers in supersymmetry*, pag. 157
- **Kotecky R.** – **Preiss D.** - *An inductive approach to the Pirogov – Sinay theory*, pag. 161

- **Kutzarova D. N. – Troyanski S. L.** - *On WCG Banach spaces with norms which are uniformly differentiable in every direction*, pag. 165
- **Lecomte P. B. A.** - *Some remarks on the cohomology of the Poisson algebra*, pag. 169
- **Messenger A. – Miracle-Sole S. – Picco P. – Ruiz J.** - *Long range rotators*, pag. 177
- **Nesetril J. – Poljak S. – Turzik D.** - *Some remarks on Ramsey matroids*, pag. 185
- **Nesetril J. – Promel H. J. – Rodl V. – Voigt B.** - *Note on canonizing ordering theorems for haies Jewett structures*, pag. 191
- **Neubrunn T. – Riecan B. – Riecanova Z.** – *An elementary approach to some applications of nonstandard analysis*, pag. 197
- **Neumann M. M.** - *Flows in infinite networks*, pag. 201
- **Popa N.** - *Symmetric p -normed space for $0 < p \leq 1$* , pag. 209
- **Preiss D. – Zajicek L.** - *Stronger estimates of smallness of sets of Frechet nondifferentiability of convex functions*, pag. 219
- **Ptak P.** - *On centers and state spaces of logics*, pag. 225
- **Pulmannova S.** - *On the products of quantum logics*, pag. 231
- **Recski A.** - *Applications of combinatorics to statics – a survey*, pag. 237
- **Ryan J.** - *Cauchy-Kowalewski extension theorems and representations of analytic functionals acting over special classes of real n -dimensional submanifolds of C^{n+1}* , pag. 249
- **Sommen F.** - *Microfunctions with values in a Clifford algebra I* , pag. 263
- **Soucek V.** - *H -Valued differential forms on H* , pag. 293
- **Stovicek P.** - *Dirac monopole derived from representation theory*, pag. 301
- **Szilasi J.** - *Horizontal maps with homogeneity condition*, pag. 307
- **Szymanski A.** - *Some applications of tiny sequences*, pag. 321
- **Tamassy L. – Kis B.** - *Relations between Finsler and affine connections*, pag. 329
- **Voigt B.** - *A common generalization of binomial coefficients, Stirling numbers and Gaussian Coefficientes*, pag. 339
- **Vojtas P.** - *Boolean games – Classifying strategies and omitting cardinality assumptions*, pag. 361
- **Watson W. S.** - *Sixty questions on regular not paracompact spaces*, pag. 369
- **Whitfield J. H. M.** - *Weak fixed point property and Banach lattices*, pag. 375

- **Winkler G.** - *A note on the extension of weak Radon measures on locally convex spaces to strong Radon measures*, pag. 381
- **Yoshino K.** - *Polya's theorem for non-entire functions*, pag. 385
- **Zahradnik M.** - *An alternate approach to the Pirogov – Sinai theory, not employing the models with a parameter*, pag. 397
- **Zajicek L.** - *A generalization of an Ekeland-Lebourg theorem and the differentiability of distance functions*, pag. 403
- **General informations**, pag. 411

INDICE DEL NUMERO 4, 1984

- **Buoncrisiano S.** - *Coomologia di Goreski-MacPherson nella categoria PL*, pag. 13
- **Cafagna V.** - *On fold singularities of Fredholm maps and a theorem by Ambrosetti and Prodi*, pag. 21
- **Devlin K. J. – Steprans J. – Watson W. S.** - *The number of directed sets*, pag. 31
- **Dikranjan D.** - *Minimalizable topological groups*, pag. 43
- **Dikranjan D. – Orsatti A.** - *Sugli anelli linearmente compatti*, pag. 59
- **Mardesic S.** - *Teoria della forma forte e omologia di Steenrod-Sitnikov*, pag. 75
- **Porter T.** - *Categorical shape theory*, pag. 83
- **Porter T.** - *Homotopy groups for strong shape and proper homotopy*, pag. 101
- **Talamo R.** - *Ultrafilters, classes of ideals and measure theory*, pag. 115
- **Tozzi A.** - *On characterization of (E,M) -structures in procategories*, pag. 133

INDICE DEL NUMERO 5, 1984

- *Foreword*, pag. 9
- **Domanski P.** - *Local convexity of twisted sums*, pag. 13

- **Godini G.** - *An approach to generalizing Banach spaces: normed almost linear spaces*, pag. 33
- **Grzaslewicz R.** - *A class of Banach lattices and positive operators*, pag. 51
- **Lukes J.** - *Some old and new applications of Choquet theory in potential theory*, pag. 55
- **Kaminska A.** - *On some convexity properties of Musielak-Orlicz spaces*, pag. 63
- **Keselman D. G.** - *On some problems of Choquet theory connected with potential theory*, pag. 73
- **Neumann M. M.** - *An application of fixed-point theory to equilibrium analysis*, pag. 83
- **Popa N.** - *Almost regular operators and integral operators on rearrangement invariant p -spaces of functions, $0 < p \leq 1$* , pag. 95
- **Weis L. W.** - *On the computation of some quantities in the theory of Fredholm operators*, pag. 109
- **Werner D.** - *Extreme points in spaces of operators and vector – valued measures*, pag. 135
- **Wilcznski W.** - *Remarks on density topology and its category analogue*, pag. 145
- **Winkler G.** - *Inverse limits need not exist in the category of compact spaces and Feller kernels: a counterexample*, pag. 155
- **Zajicek L.** - *On the Frechet differentiability of distance functions*, pag. 161

INDICE DEL NUMERO 6, 1984

- *Foreword*, pag. 9
- **Bandlow I.** - *On weak l_1 - metrik*, pag. 13
- **Bartik V.** - **Korbass J.** - *Stiefel-Whitney characteristic classes and parallelizability of Grassmann manifolds*, pag. 19
- **Bures J.** - **Soucek V.** - *On generalized Cauchy-Riemann equations on manifolds*, pag. 31
- **Capek P.** - *The pathological infinity of measures*, pag. 43

- **Cerin Z.** - *On properties preserved by the approximate domination*, pag. 49
- **Crell B.** - *Dissipative systems*, pag. 75
- **Delanghe R.** - *Decomposable systems of differential operators and generalized inverses*, pag. 83
- **Demaria D.C.** - **Bogin R.G.** - *Inverse systems and pretopological spaces*, pag. 93
- **Eeichhorn J.** - *L_2 -Kohomologie und approximationen des Laplaceoperators*, pag. 107
- **Dikranjan D.** – **Giuli E.** - *Epimorphisms and cowellpoweredness of epireflective subcategories of Top*, pag. 121
- **Gryzlov A.** - *Some types of points in N^** , pag. 137
- **Grzegorek E.** - *Always of the first category sets*, pag. 139
- **Guido C.** - *Connected spaces which are not strongly connected*, pag. 149
- **Hasiewicz Z.** - *Z_2 -graded extensions of the orthogonal Lie algebras*, pag. 155
- **Klimek-Chudy S.** – **Kondracki W. III.** - *The topology of the Yang-Mills theory over torus*, pag. 161
- **Kondracki W.** - **Kozak M.** - *On the mechanics with noncontinuous hamiltonians*, pag. 177
- **Kriz I.** - *n -tilability of acyclic polyominoes*, pag. 189
- **Lisiecki W.** - *Coisotropic bundles and induced representations*, pag. 201
- **Major I.** - *A survey on the Hawking – Penrose theory*, pag. 215
- **Nahm W.** - *Self-dual magnetic monopoles and generalizations of holomorphic functions*, pag. 233
- **Nydl V.** - *Some results concerning reconstruction conjecture*, pag. 243
- **Pultr A.** - *Remarks on metrizable locales*, pag. 247
- **Sommen F.** - *Plane elliptic systems and monogenic functions in symmetric domains*, pag. 259
- **Sprossing W.** – **Gurlebeck K.** - *A hypercomplex method of calculating stresses in three-dimensional bodies*, pag. 271
- **Vinarek J.** - *Hereditary subdirectly irreducible graphs*, pag. 285
- **De Vries J.** - **Van Der Woude J.** - *Invariant measures and the equicontinuous structure relation II: the relative case*, pag. 291
- **De Wilde M.** - *Star-products on symplectic manifolds*, pag. 307

- **Williams S. W.** - *Paracompactness in box products*, pag. 313
- **Wolak R. A.** - *On \square - G -foliations*, pag. 329

INDICE DEL NUMERO 7, 1985

- *Measurability, the Bochner integral and the RNP*, pag. 1
- *Conditional expectations, martingales, stopping times*, pag. 9
- *Martingale convergence theorems equivalent to the RNP*, pag. 19
- *Geometric characterizations of the RNP Dentability*, pag. 27
- *The extremal structure of closed bounded convex sets in Banach spaces with the RNP*, pag. 41
- *The RNP for dual spaces*, pag. 53
- *Characterizations of separable RNP spaces as nicely (semi)embedded subspaces of dual spaces*, pag. 63
- *References*, pag. 8

INDICE DEL NUMERO 8, 1985

- *Discorso del Presidente*, pag. 7
- *Saluto del Prof. A. Lichnerowicz*, pag. 11
- **Leray J.** - *Technics of analytic continuations for the linear Cauchy problem, as improved by Y. Hamada and A. Takeuchi*, pag. 19
- **Fichera G.** - *Il teorema di H. Weyl sulla distribuzione asintotica degli autovalori nella elasticità*, pag. 29
- **Cesari L.** - **Kannan R.** - *Periodic solutions of a wave equation with strong nonlinearity*, pag. 55
- **De Giorgi E.** - *Su alcuni nuovi risultati di minimalità*, pag. 71
- **Kolzow D.** - *The Radon transform – Some recent results*, pag. 107
- **Nagata Jun-Iti** - *Recent developments of general topology in Japan*, pag. 119

- **Dieudonne J.** - *Les debuts de la topologie algebrique*, pag. 139
- **Choquet-Bruhat Y.** - *Kaluza-Klein theories*, pag. 155
- **Ni Wei - Ming - Serrin J.** - *Non-existence theorems for quasilinear partial differential equations*, pag. 171
- **Talenti G.** - *On functions, whose level lines bend proportionally to fall lines*, pag. 187
- **Lichnerowicz A.** - *Local Lie algebras of Kirillov and geometry of the Jacobi manifolds*, pag. 193
- **Zappa G.** - *Il contributo italiano alla teoria dei gruppi dalle origini al 1939*, pag. 205
- **Bruckner A.M.** - *New approaches to puzzling problems in differentiation theory*, pag. 217
- **Jhon F.** - *Non-existence of global solution, etc*, pag. 229
- **Tallini G.** - *Caratterizzazione grafica di varietà algebriche rigate*, pag. 251
- **Maugeri A.** - *Stability results for variational inequalities and applications to traffic equilibrium problem*, pag. 269
- **Volcic A.** - *A new proof of the Giering theorem*, pag. 281
- **Lechicki A. - Levi S.** - *Wijsam convergence in the hyperspace of a metric space*, pag. 297
- **Ricceri A.** - *On multifunctions with convex graph*, pag. 301
- **Maharam D.** - *Truncation and density for non-negative sequences*, pag. 305
- **Bellow A.** - *Some remarks on sequences having a correlation*, pag. 315
- **Stone A. H.** - *Closed tilings of euclidean spaces*, pag. 321
- **Akcoglu M. A. - Sucheston L.** - *On uniform monotonicity of norms and ergodic theorems in function spaces*, pag. 325
- **Chaljub-Simon A.** - *Quelques resultats d'existence pour le probleme de la courbure dans R^n* , pag. 337
- **Gotusso L. - Roux D.** - *On an approximation problem by trigonometric polynomials*, pag. 345
- **Jacobs K.** - *A measure theoretical max-flow-problem*, pag. 359
- **Johnson G.W. - Skoug D.L.** - *Stability theorems for the Feynman integral*, pag. 361

- **Morales P.** - *Topological properties of the set of global solutions for a class of semilinear evolution equations in a Banach space*, pag. 379
- **Brandi P.** - – **Ceppitelli R.** - *0 -approximate solutions for hereditary non linear partial differential equations*, pag. 399
- **Toscani G.** - **Bellomo N.** - *Global existence uniqueness and stability of the nonlinear Boltzmann equation with almost general gas-particles interaction potential*, pag. 419
- **Waterman D.** - *Homeomorphisms of the circle and the magnitude of Fourier coefficients*, pag. 435
- **Candeloro D.** - *Sui teoremi di Vitali – Hahn – Saks, Dieudonné, e Nikodym*, pag. 439
- **Brandi P.** - **Salvadori A.** - *Existence, semicontinuity and representation for the integrals of the calculus of variations. The BV case*, pag. 447

INDICE DEL NUMERO 9, 1985

- *Foreword*, pag. 7
- **Lukierski J.** - *Two supergeometries from fourfold gradings of superalgebras*, pag. 11
- **Brackx F.** - **Pincket W.** - *Domains of biregularity in Clifford analysis*, pag. 21
- **Bures J.** - **Soucek V.** - *Integral formulae for spinor fields*, pag. 37
- **Corrigan E.F.** - *Some comments on a cubic algebra*, pag. 43
- **Delanghe R.** - **Brackx F.** - **Pincket W.** - *On domains of monogenicity in Clifford analysis*, pag. 53
- **Eichhorn I.** - *Yang-Mills-Theorie über offenen Riemannschen Mannigfaltigkeiten*, pag. 61
- **Goddard P.** - *Infinite dimensional Lie algebras: representations and applications*, pag. 73
- **Grabowski J.** - *Lie algebras connected with associative ones*, pag. 109
- **Kalina J.** - **Lawrynowicz J.** - **Suzuki O.** - *A field equation defined by a Hurwitz pair*, pag. 117
- **Kent A.** - *Unitary representations of the Virasoro algebra*, pag. 129
- **Kwasniewski A. K.** - *Critical curves in nonstandard Potts models*, pag. 137

- **Kwasniewski A. K.** - *Clifford and Grassmann like algebras*, pag. 141
- **Markl M.** - *The integral cohomology rings of real infinite dimensional flag manifolds*, pag. 157
- **Nestke A.** - **Zickermann F.** - *The index of transversally elliptic complexes*, pag. 165
- **Olive D.I.** - *Kac-Moody algebras: an introduction for physicists*, pag. 177
- **Opozda B.** - *Remark on mixed foliate generic submanifolds*, pag. 199
- **Sommen F.** - *Plane waves, biregular functions and hypercomplex Fourier analysis*, pag. 205
- **Wene G.P.** - *Clifford algebras, matrix algebras and classical groups*, pag. 221
- **Wolak R.A.** - *On transverse structures of foliations*, pag. 227

INDICE DEL NUMERO 11, 1985

- *Foreword*, pag. 7
- **Blaszczyk A.** - *Remarks on powers of lattices*, pag. 11
- **Cagliari F.** - **Cicchese M.** - *Disconnectednesses and closure operators*, pag. 15
- **Demaria D. C.** - **Garbaccio Bogin R.** - *On shape groups and Čech homology groups of a compact space*, pag. 25
- **Van Engelen F.** - *Characterizations of the countable infinite product of rationals and some related problems*, pag. 37
- **Hart K. P.** - *Some more K -fully normal spaces*, pag. 55
- **Kriz I.** - **Pultr A.** - *Products of locally connected locales*, pag. 61
- **Nydl V.** - *Reconstructing equivalences*, pag. 47
- **Pedicchio M. C.** - **Rossi F.** - *A remark on monoidal closed structures on top*, pag. 77
- **Pelant J.** - **Poljak S.** - *Extensions of cyclically monotone mappings*, pag. 81
- **Sostak A. P.** - *On a fuzzy topological structure*, pag. 89
- **Szymanski A.** - *Products and measurable cardinals*, pag. 105
- **Thomas Gerhard G.** - *Introduction to kenogrammatics*, pag. 113
- **Vinarek J.** - *Productive and inductive constructions of graphs*, pag. 125

INDICE DEL NUMERO 12, 1986

- **Cerin Z.** - *On global Properties of Maps*, pag. 19
- **Cerruti U.** - **Hohle U.** - *An Approach to Uncertainty Using Algebras Over a Monoidal Closed Category*, pag. 47
- **Giuli E.** - *Epimorfismi e Co-Well-Poweredness di Sottocategorie Epiriflessive di Top*, pag. 65
- **Herrlich H.** - *Topological Structures and Injectivity*, pag. 87
- **Marchisa G.** - *Spazi Metrizzabili e Spazi Paracompatti*, pag. 93
- **Mulvey C. J.** - *&.*, pag. 99
- **Naimpally s. A.** - *Separate Versus Joint Continuity*, pag. 105
- **Noiri T.** - *Strong Forms of Continuity*, pag. 107
- **Porst H. E.** - *A Categorical Approach to Topological and Ordered Algebra*, pag. 115
- **Tholen W.** - *Partial Products in Reflective and Coreflective Subcategories*, pag. 133
- **Tironi G.** - *Spazi Chain-Net e Spazi Sequenziali*, pag. 139

COMUNICAZIONI

- **Amato P.** - *Sulle Classi di Completamento di uno Spazio Metrico*, pag. 157
- **Bandieri P.** - *Il Gruppo dei 2-Residui*, pag. 169
- **Basile A.** - *Decomposizioni di Topologie su Algebre di Insiemi*, pag. 181
- **Burzio M.** - **Demaria D.** - *Homotopy of Polyedra and Regular Homotopy of Digraphs*, pag. 189
- **Cagliari F.** - **Mantovani S.** - *On Disconnectedness in Subcategories of a Topological Category and Related Topics*, pag. 205
- **De Pascale E.** - **Trombetta G.** - *Confronto tra i Gradi Topologici di Canfora-Pacella e di Browder-Petryshyn*, pag. 213
- **Di Maio G.** - *On Semitopological Operators and Semiseparation Axioms*, pag. 219
- **Di Maio G.** - *Bitopological H-Closedness and S-Closedness*, pag. 231
- **Gianella G.M.** - *Relazioni tra i Ricoprimenti Chiusi Finiti di uno Spazio e l'Omotopia dei Poliedri*, pag. 245

- **Gobbo L.** - *The Structure of the Continuous Convergence and the Bornology of a Normed Linear Space*, pag. 257
- **Grasselli L.** - *Edge-Coloured Graphs and Associated Groups*, pag. 263
- **Isler R.** - **Tironi G.** - *Alcuni Recenti Risultati sugli Spazi Pseudo-Radiali*, pag. 271
- **Stefani O.** - *Misure Approssimanti e Frontiere d'Insiemi ad Ampiezza Costante*, pag. 277
- **Tozzi A.** - *US-Spaces and Closure Operators*, pag. 291
- **Weber H.** - *Compactness in Spaces of Contents*, pag. 301

INDICE DEL NUMERO 13, 1986

- *Introduzione*, pag. 7
- *I campi di Yang-Mills*, pag. 8
- *Aspetti matematici delle equazioni di Yang-Mills*, pag. 19
- *Appendice*, pag. 30

INDICE DEL NUMERO 14, 1987

- *Foreword*, pag. 7

SECTION OF DIFFERENTIAL GEOMETRY

- **Crumeyrolle A.** - *Conjugation in spinor spaces Majorana and Weyl spinors*, pag. 13
- **Dobrev V. K.** - *virasoro Characters of the irreducible highest weight modules over the virasoro and super-virasoro algebras*, pag. 25
- **Gancarzewicz J.** - **Mahi S.** - **Rahman I N.** - *Horizontal lift of tensor fields of type (1,1) from a manifold to its tangent bundle of higher order*, pag. 43
- **Gurlebeck K.** - **Sprossig W.** - *An application of quaternionic analysis to the solution of time-independent Maxwell equations and of Stokes' equation*, pag. 61
- **Hasiewicz Z.** - *Supersymmetry algebras: extensions of orthogonal Lie algebras*, pag. 77

- **Kanemaki S. - Krolowski W. - Suzuki O.** - *A gauge theory for the Kadomtsev-Petviashvili system*, pag. 93
- **Pogola Z.** - *The regularity condition for some natural functors*, pag. 105
- **Presnajder P. - Pazma V.** - *The short-time propagator and the boundary conditions in the quantum mechanics*, pag. 117
- **Sekizawa M.** - *Natural transformations of affine connections on manifolds to metrics on cotangent bundle*, pag. 129
- **Slovak J.** - *Prolongations of connections and sprays with respect to Weil functors*, pag. 143
- **Sommen F.** - *Spingroups and spherical means II*, pag. 157
- **Kolar I. - Vosmanska G.** - *Natural operations with second order jets*, pag. 179
- **Krupka D.** - *Geometry of Lagrangean structures. 3*, pag. 187
- **Kwasniewski A. K.** - *Algebraic properties of the 3-state vector potts model*, pag. 225
- **Kwasniewski A. K.** - *Calculation of the free energy in a simple model*, pag. 231
- **Michor P. W.** - *The cohomology of the diffeomorphism group of a manifold is a Gelfand-Fuks cohomology*, pag. 235
- **Opozda B.** - *Totally real submanifolds of $S^6(1)$ with parallel second fundamental form*, pag. 247

SECTION OF ANALYSIS AND TOPOLOGY

- **Duchet P.** - *Convexity in combinatorial structures*, pag. 261
- **Essen M.** - *Harmonic majorization and thinness*, pag. 295
- **Fabian M. - Preiss D.** - *On the Clarke's generalized jacobian*, pag. 305
- **Godini G.** - *Operators in normed almost linear spaces*, pag. 309
- **Hola L.** - *Almost continuous functions with closed graphs*, pag. 329
- **Hudzik H.** - *Musielak-Orlicz algebras*, pag. 335
- **Kesel'man D. G.** - *Choquet simplices and Harnack inequalities*, pag. 339
- **Kolomy J.** - *Set-valued mappings and structure of Banach spaces*, pag. 345
- **Kriz I. - Pultr A.** - *Systems of covers of frames and resulting subframes*, pag. 353
- **Kryszewski W.** - *The Lefschetz type theorem for a class of noncompact mappings*, pag. 365
- **Kulcsarova O. - Riecan B.** - *On sets of small measure*, pag. 385

- **Malicky P.** - *A vector lattice variant of the ergodic theorem*, pag. 391
- **Neubrunn T.** - *On generalized Blumberg sets*, pag. 399
- **Plebanek G.** - *On extensions of measures which are maximal with respect to a chain*, pag. 407
- **Pluciennick R.** - *The superposition operator in Musielak-Orlicz spaces of vector-valued functions*, pag. 411
- **Vinarek J.** - *A note on Fiedler-Moravek combinatorial problem*, pag. 419
- **Wisla M.** - *Continuity of the identity embedding of Musielak-Orlicz sequence spaces*, pag. 427
- **Gologan R.N.** - *Ergodic theorems in \mathbb{R}^n -lattice cones*, pag. 439

INDICE DEL NUMERO 15, 1987

- *Preface*, pag. 7

LECTURES

- **Almgren F.** - *Spherical symmetrization*, pag. 11
- **Clarke F. H.** - *Regularity of solutions to the isoperimetric problem*, pag. 27
- **Dacorogna B.** - *A characterization of polyconvex, quasiconvex and rank one convex envelopes*, pag. 37
- **Dal Maso G.** - **De Giorgi E.** - **Modica L.** - *Weak convergence of measures on spaces of lower semicontinuous functions*, pag. 59
- **Evans L.C.** - **Gariepy R.F.** - *Blow-up, compactness and partial regularity in the calculus of variations*, pag. 101
- **Giusti E.** - *The equilibrium of masonry walls: old results and new problems. (Abstract)*, pag. 109
- **Mizel V.J.** - *The Lavrentiev phenomenon in both deterministic and stochastic optimization problems*, pag. 111
- **Kohn R.V.** - *Relaxation and structural optimization. (Abstract)*, pag. 131
- **Mosco U.** - *Variational stability and relaxed dirichlet problems. (Abstract)*, pag. 133

SHORT COMMUNICATIONS

- **Anzellotti G.** - *Elasticity with unilateral constraints on the stress*, pag. 135
- **Buttazzo G.** - *Elliptic problems with a thin insulating Layer around the boundary*, pag. 143
- **Carriero M. - Leaci A. - Pascali E.** - *On the lower semicontinuity of a class of integral functionals*, pag. 155
- **Tosques M.** - *Quasi-autonomous evolution equations associated with $(@, f)$ -monotone operators*, pag. 163
- **Vivaldi M.A.** - *Nonlinear parabolic variational inequalities*, pag. 181

INDICE DEL NUMERO 16, 1987

- *Foreword*, pag. 7
- *List of participants*, pag. 8
- **Brackx F. - Constaes D. - Delanghe R. - Serras H.** - *Clifford algebra with Reduce*, pag. 11
- **Brackx F. - Delanghe R. - van Hamme J.** - *Generalized inverses of elliptic systems of differential operators with constant coefficients and related Reduce programs for explicit calculations*, pag. 21
- **Eichhorn J.** - *The Euler characteristic and signature for open manifolds*, pag. 29
- **Gurlebeck K. - Sprossing W.** - *A generalized Leibniz rule and foundation of a discrete quaternionic analysis*, pag. 43
- **Hruby J.** - *Supersymmetric quantum mechanics and $U(N)$ -nonlinear Scrodinger equation*, pag. 65
- **Janeczko S.** - *Singularities in the geometry of an obstacle*, pag. 71
- **Kis B.** - *Connection theory and parameter transformations*, pag. 85
- **Kolar I. - Michor P.** - *All natural concomitants of vector valued differential forms*, pag. 101
- **Korbas J.** - *Note on Stieffel-Whitney classes of flag manifolds*, pag. 109

- **Koschore U. - Korbas J.** - *The rank of vector fields of Grassmannian manifolds*, pag. 113
- **Kubarski J.** - *Some generalization of Godement's theorem on division*, pag. 119
- **Kubarski J.** - *Pradines-type groupoids*, pag. 125
- **Kwasniewski A.K.** - *Remarks on canonical commutation relations*, pag. 145
- **Kwasniewski A.K.** - *On the meaning of Bell's inequalities violation*, pag. 151
- **De Leon M. - Rodrigues P.R.** - *Higher order almost tangent geometry and non-autonomous Lagrangian dynamics*, pag. 157
- **Lisiecki W.** - *Blattner-Kostant-Sternberg pairing and Fourier transform on symmetric spaces*, pag. 173
- **Lounesto P.** - *Cayley transform, outer exponential and spinor norm*, pag. 191
- **Markl M.** - *On the formality of products and wedges*, pag. 199
- **Michor P. W.** - *Remarks on the Schouten-Nijenhuis bracket*, pag. 207
- **Papadima S.** - *Complex cohomology automorphisms of compact homogeneous spaces of positive Euler characteristic*, pag. 217
- **Soucek J.** - *QCD at the hadron scale and non-local Thirring model*, pag. 227
- **Stasheff J.** - *Constrained Hamiltonians: a homological approach*, pag. 239
- **Torriani H. H.** - *A problem about Feynman integrals on Riemannian manifolds*, pag. 253

INDICE DEL NUMERO 17, 1987

- *Foreword*, pag. 7
- **Ali S. T.** - *Functional analytic methods in stochastic quantum mechanics*, pag. 11
- **Blanchard Ph. - Combe Ph. - Sirugue M. - Sirugue-Collin M.** - *Jump processes an introduction and some applications to quantum physics*, pag. 47
- **Cameron R. H. - Storvick D. A.** - *Change of scale formulas for Wiener integral*, pag. 105
- **Cameron R. H. - Storvick D. A.** - *Relationships between the Wiener integral and the analytic Feynman integral*, pag. 105

- **Chang J. S.** - *Stability theorems for the Feynman integral: The $L(L_1(R), C_0(R))$ theory*, pag. 135
- **Chang K. S.** - **Johnson G. W.** - **Skoug D. L.** - *Necessary and sufficient conditions for membership in the Banach algebra S for certain classes of functions*, pag. 153
- **Chojnacki W.** - *Spectral analysis of Schrodinger operators in non-separable Hilbert spaces*, pag. 173
- **Defacio B.** - **Brander O.** - *Coherent-state path-integral formulation of inverse scattering theory*, pag. 185
- **Dewitt-Morette C.** - *Path integration*, pag. 211
- **Hida T.** - *Generalized Gaussian measures*, pag. 229
- **Ichinose T.** - **Tamura H.** - *A remark on path integral for the Dirac equation*, pag. 237
- **Johnson G.W.** - *Feynman's paper revisited*, pag. 249
- **Lapidus M.L.** - *Strong product integration of measures and the Feynman-Kac formula with a Lebesgue-Stieltjes measure*, pag. 271
- **Morales P.** - *Product integral for finite-dimensional Lie algebra-valued functions*, pag. 313
- **Skoug D.** - *Feynman integrals involving quadratic potentials, stochastic integration formulas, and bounded variation for functions of several variables*, pag. 331
- **Taylor T.J.S.** - *Applications of harmonic analysis on the infinite dimensional torus to the theory of the Feynman integral*, pag. 349
- **Terrier J.M.** - *Differentiable manifolds, Lie groups and connections*, pag. 363
- **Van Casteren J. A.** - *Integral Kernels for Schrodinger type equations*, pag. 393

INDICE DEL NUMERO 18, 1988

- *Presentazione*, pag. 7

CONFERENZE

- **Aarts J.M. - Frolik Z.** - *Homeomorphisms of Q and the orbit classification of flows*, pag. 15
- **Charatonik J. J.** - *Some problems of selections and contractibility*, pag. 27
- **Cohen Joel M.** - *L^2 -cohomology in topology, algebra, and analysis*, pag. 31
- **Collins P. J.** - *On monotonically normal spaces*, pag. 37
- **Doitchinov D.** - *Completeness and completions of quasimetric spaces*, pag. 41
- **Gerlits J. - Nagy ZS.** - *On Frechet spaces*, pag. 51
- **Ivansic I.** - *Embeddings up to shape in dimension two*, pag. 73
- **Kent D. C. - Vanio R.** - *Ordered Cauchy and convergence spaces*, pag. 83
- **De Souza Kiihl J. C.** - *Bordims of involutions*, pag. 97
- **Maurer I. Gy. - Szilagyi M.** - *Su un'equazione definita su algebre universali topologiche*, pag. 109
- **Preub G.** - *A generalization of Hopf's classification theorem*, pag. 113
- **Grant Woods R.** - *Generalizations of absolutes of topological spaces*, pag. 121
- **Zarelu A. V.** - *Homotopical properties of sheaf resolutions*, pag. 141

COMUNICAZIONI

- **Andrijevic D.** - *A note on preopen sets*, pag. 195
- **Bella A.** - *A note on cardinal invariants of uniformizable spaces*, pag. 203
- **Cagliari F. - Mantovani S.** - *Factorization in topological categories and related topics*, pag. 209
- **Casali M.R. - Grasselli L.** - *Characterizing crystallizations among Lins-Mandel-coloured graphs*, pag. 221
- **Cavicchioli A.** - *Lins-Mandel 3-manifolds and their groups: a simple proof of the homology sphere conjecture*, pag. 229
- **Cerin Z.** - *On a class of group actions of the Hilbert cube*, pag. 239
- **Charatonik W.J.** - *Continua homeomorphic to all their confluent images*, pag. 249
- **Di Maio G. - Noiri T.** - *Weak and strong forms of irresolute functions*, pag. 255
- **Dimov G.** - *Baire subspaces of c_0 (!) have dense G -metrizable subsets*, pag. 275
- **Esposito R. - Magro G.** - *Il cilindro simpliciale delle funzioni omogeneamente dual-collassabili*, pag. 287
- **Esposito R. - Parlato L.** - *Funzioni omogeneamente dual-collassabili*, pag. 295

- **Kontolatou A. - Stabakis J.** - *Completion in a G -valuated topological field*, pag. 319
- **Krupski P.** - *On homogeneous tree-like continua*, pag. 327
- **Laback O.** - *On the continuity of bijections of \mathbb{R}^n* , pag. 337
- **Naimpally S.A.** - *Wijsman convergence for function spaces*, pag. 343
- **Noiri T. - Di Maio G.** - *Properties of compact spaces*, pag. 359
- **Pap E.** - *Comparison of k -convergences*, pag. 371
- **Papadopoulos A. K.** - *The topology of quasi uniform convergence on the set $C(Y, Z)$ of continuous maps*, pag. 381
- **Piergallini R.** - *Standard moves for standard polyhedra and spines*, pag. 391
- **Repovs D.** - *Regular neighbourhoods of homotopically PL embedded compacta in 3-manifolds*, pag. 415
- **Stramaccia L.** - *Classes of spaces defined by an epireflector*, pag. 423
- **Talamo R.** - *Diffeomorphisms of the circle and trajectories on the torus surface*, pag. 433
- **Trombetta M.** - *Convergenza mediante successioni lunghe*, pag. 443

INDICE DEL NUMERO 19, 1988

- *Prefazione*, pag. 7
- **Barlotti A. - Rosati L. A.** - *Guido Zappa e la geometria combinatoria*, pag. 9
- **Curzio M.** - *Guido Zappa e la teoria dei gruppi*, pag. 19
- **Gherardelli F.** - *I contributi di Zappa alla geometria algebrica*, pag. 35
- **Zacher G.** - *Conoscenze attuali relative ad alcuni aspetti del reticolo dei sottogruppi di un gruppo*, pag. 39
- **Carter R. W.** - *The relation between irreducible characters and conjugacy classes in finite groups of Lie type*, pag. 61
- **Fischer B.** - *Examples of groups with identical character tables*, pag. 71
- **Griess Jr R.L.** - *Code loops and a large finite group containing triality for D_n* , pag. 79

- **Hawkes T.** - *The role of representation theory in the study of Fitting classes*, pag. 99
- **Hering C.**- *On Szeps conjecture concerning factorizations of finite groups*, pag. 105
- **Huppert B.** - *Character degrees*, pag. 113
- **Kegel O.H.** - *Automorphisms*, pag. 119
- **Kovacs L.G.** - *Groups with uniform automorphisms*, pag. 125
- **Lunenburg H.** - *On the computation of the Smith normal form*, pag. 135
- **Strambach K.** - *Partitions of Lie groups and algebraic groups*, pag. 173
- **Szep J.** - *Maps on a finite set*, pag. 187
- *Pubblicazioni matematiche di Guido Zappa*, pag. 193

INDICE DEL NUMERO 20, 1988

- *Presentazione*, pag. III
- *Onoranze a G. B. Guccia*, pag. 5
- *Necrologio di G. B. Guccia*, pag. 75
- *Relazioni sul Circolo Matematico di Palermo alla fine degli anni '20*, pag. 87

INDICE DEL NUMERO 22, 1990

- *Foreword*, pag. 7
- **Bryant P.** - *Graded Riemann surfaces and Krichever-Novikov algebras*, pag. 15
- **Dekret A.** - *Vector fields and connection on fibred manifolds*, pag. 25
- **Eichhorn J.** - *Invariance properties of the Laplace operator*, pag. 35
- **Formella S.** - *Generalized Einstein manifolds*, pag. 49
- **Friedrich T.** - *On the conformal relation between twistors and Killing spinors*, pag. 59
- **Gurlebeck K.** - **Sprossig W.** - *A quaternionic treatment of Navier-Stokes equations*, pag. 77
- **Hruby J.** - *Turbulence via gauge and supersymmetry theory*, pag. 97

- **Kolar I. - Slovak J.** - *Prolongation of vector fields to jet bundles*, pag. 103
- **Kozma L.** - *On sprays and connections*, pag. 113
- **Kubarski J.** - *Pontryagin algebra of a transitive Lie algebroid*, pag. 117
- **Lisiecki K.** - *Foliated groupoids*, pag. 127
- **Markl M.** - *Towards one conjecture on collapsing of the Serre spectral sequence*, pag. 151
- **Marvan M.** - *On the horizontal cohomology with general coefficients*, pag. 161
- **Michor P. W.** - *Knit products of graded Lie algebras and groups*, pag. 171
- **Mikulski W. M.** - *Natural transformations of Weil functors into bundle functors*, pag. 177
- **Multarzyński P. - Sasin W.** - *Algebraic characterisation of the dimension of differential spaces*, pag. 193
- **Vanzura J.** - *Derivations of the Nijenhuis-Schouten bracket algebra*, pag. 201
- **Yoshino K.** - *Some theorems for holomorphic functions with proximate order $1 + \log(\log r)/\log r$* , pag. 205
- **Zhenyuan Xu** - *On boundary value problem of Neumann type for hypercomplex function with values in a Clifford algebra*, pag. 213

INDICE DEL NUMERO 23, 1990

- *List of Participants*, pag. 9
- **Ballester-Bolinches A.** - *h -normalizers of finite groups*, pag. 13
- **Ballester-Bolinches A. - Ezquerro L.M.** - *An analogue of Hall-systems in finite groups*, pag. 19
- **Ballester-Bolinches A. - Perez Ramos M.D.** - *On f -subnormal subgroups*, pag. 25
- **Blessenohl D.** - *On the stabilizer of a finite group of field automorphisms*, pag. 29
- **Brailovsky L. - Freiman G. - Herzog M.** - *Special elements in groups*, pag. 33
- **Brandl R.** - *Abelian torsion groups with soluble automorphism groups*, pag. 43
- **Busetto G. - Napolitani F.** - *On projectivities of groups*, pag. 45
- **Curran M. J.** - *A note on p -groups that are automorphism groups*, pag. 57

- **du Sautoy M.P.F.** - *Polycyclic groups and topological groups*, pag. 63
- **Gambini A.** - *A polynomial algorithm for computing Praefrattini subgroups*, pag. 73
- **Hannebauer T.** - **Stohr R.** - *Homology of groups with coefficients in free metabelian Lie powers and exterior powers of relation modules and applications to group theory*, pag. 77
- **Hartley A.** - **Kamal E.M.** - **Makarfi U.M.** - *Subnormal separation of cyclic subgroups in finite groups*, pag. 115
- **Heineken H.** - *Nilpotent subgroups of maximal order in finite soluble groups*, pag. 129
- **Hickin K.K.** - **Phillips R.E.** - *Universal locally finite extensions of groups*, pag. 143
- **Kappe L.C.** - **Newell M.L.** - *On the Levi and Bell centres of a group*, pag. 173
- **Khukhro E.I.** - *Groups and Lie rings admitting almost regular automorphisms of prime order*, pag. 183
- **Iranzo M. J.** - *Perez Monasor F.* - *Torres M.* - *A criterion for the existence of injectors in finite groups*, pag. 193
- **Jabara E.** - *On soluble groups admitting a uniform automorphism of order P^n* , pag. 197
- **Laue H.** - **Blessenohl D.** - *Symmetric groups and free Lie algebras*, pag. 201
- **Lennox J. C.** - **Mohammadi Hassanabadi A.** - **Stewart A.G.R.** - **Wiegold J.** - *Nilpotent extensibility and centralizers in infinite 2-groups*, pag. 209
- **Lucchini A.** - *The minimal number of generators and the presentation rank*, pag. 221
- **Mann A.** - *On the power structure of some p -groups*, pag. 227
- **McCann A.** - *Examples of normal products of finite groups and an application to Fitting classes*, pag. 237
- **Palfy P.P.** - *Bounds for linear groups of odd order*, pag. 253
- **Segal D.** - *On the outer automorphism group of a polycyclic group*, pag. 265
- **Shalev A.** - *On some conjectures concerning units in p -group algebras*, pag. 279
- **Stonehewer S.E.** - **Zacher G.** - *Lattice homomorphisms of groups and dual standard subgroups*, pag. 289
- **Thevenaz J.** - **Webb P.J.** - *Simple Mackey functors*, pag. 299
- **Tomkinson M. J.** - *Finiteness conditions and a Frattini-like subgroup*, pag. 321
- **Volklein H.** - *On extensions between simple modules of a Chevalley group*, pag. 337

- **Xiao C.** - *A conjecture on the automorphism group of a finite p -group*, pag. 347

INDICE DEL NUMERO 24, 1990

- *Prefazione*, pag. 7
- *Calendario dei lavori*, pag. 9
- *Elenco dei partecipanti*, pag. 13

CONFERENZE

- **Adamek J.** - *On Quasitopos hulls of topological categories*, pag. 21
- **Cammaroto F.** - *On D -completely regular spaces*, pag. 35
- **Nainpally S.** - **Di Maio G.** - *A general approach to symmetric proximities*, pag. 51
- **Fedorchuk V.** - *On some geometric properties of functors*, pag. 73
- **Piccinini R.** - **Fritsch R.** - *CW-complexes and euclidean spaces*, pag. 79
- **Gagliardi C.** - *Surface maps and N -dimensional manifolds*, pag. 97
- **Henriksen M.** - *Spaces of prime ideals*, pag. 127
- **Mardesic S.** - *Approximate inverse systems*, pag. 145
- **McCrorry C.** - *Configuration spaces of simplicial spheres*, pag. 159
- **Pareek C. M.** - *On some generalizations of countably compact*, pag. 169
- **Sharma P. L.** - *Hyperspace Topologies*, pag. 193
- **Simon P.** - *Points in extremally disconnected compact spaces*, pag. 203
- **Stramaccia L.** - *Teoria della forma generalizzata*, pag. 215
- **Talamo R.** - *Dinamica analitica sul toro e sfera di Riemann*, pag. 233

CONTRIBUTI

- **Andrijevic D.** - **Ganster M.** - *On PO -equivalent topologies*, pag. 251
- **Betti R.** - *An elementary characterization of presheaves categories*, pag. 257
- **Cammarato F.** - **Cerin Z.** - **Gianella M.** - *Topologies on spaces of subsets*, pag. 267

- **Caterino A. - Vipera M. C.** - *Singular compactifications and compactification lattices*, pag. 299
- **Caterino A. - Vipera M. C.** - *Wallman rings, disconnections and sub-direct sums*, pag. 311
- **Charatonik J.J.** - *Dendroids without ordinary points*, pag. 321
- **Costa A. F.** - *On manifolds admitting regular combinatorial maps*, pag. 327
- **Di Concilio A.** - *On the Tukey-Shirota Uniformity*, pag. 337
- **Di Maio G. - Naimpally S. - Pareek C.M.** - *Remarks on some generalizations of completely regular spaces*, pag. 343
- **Extremiana J.I. - Hernandez L.J. - Rivas M.T.** - *Cellular homologies of finite proper CW-complexes*, pag. 351
- **Fedeli A.** - *Spazi A-pseudocompatti*, pag. 365
- **Gavioli N.** - *8 -matrices over a topos*, pag. 375
- **Jelic M.** - *Feebly P-continuous mappings*, pag. 387
- **Kocinac L. D.** - *On (M, P)-Splittability of topological spaces*, pag. 397
- **Kontolatos A. – Iliadis S. – Stabakis J.** - *Global and local regularities of ordered spaces*, pag. 405
- **Leseberg D.** - *Convergence structures*, pag. 419
- **Lomonaco L.** - *Dickson invariants and the universal Steenrod algebra*, pag. 429
- **Magro G.** - *i -varietà e cobordismo*, pag. 445
- **Marconi U.** - *Uniform paracompactness and uniform weight*, pag. 459
- **Padron E.** - *Model-additive categories*, pag. 465
- **Pedicchio M. C. – Borceux F.** - *A remark on categories of separated objects*, pag. 475
- **Trombetta M.** - *Sulla deducibilità delle chain convergenze da topologie*, pag. 485
- **Vitolo P.** - *Characterization of simply disconnected complete digraphs*, pag. 499

INDICE DEL NUMERO 25, 1991

- *Foreword*, pag. 7

- **Johnson G.W.** - *Existence theorems for the analytic operator-valued Feynman integral*, pag. 11
- **Kanter M.** - *A probabilistic framework for quantum processes observed continuously in time*, pag. 23
- **Brooke J.A.** - *Stochastic quantum mechanics, relativistic canonical commutation relations and geometry of phase space*, pag. 27
- **Badrikian A.** - *Stochastic calculus and Feynman integral*, pag. 49
- **Combe Ph.** - *Feynman's description of non-relativistic quantum mechanics of systems with a finite number of degrees of Freedom via jump processes*, pag. 71
- **Bub J.** - *On states and probabilities in quantum mechanics*, pag. 109
- **Prugovecki E.** - *Geometro-stochastic quantization*, pag. 133
- **Carlen E.** - *Behind the wave function: stochastic mechanics today*, pag. 141
- **Daubechies I.** - *Phase space path integrals, coherent states and Wiener measure*, pag. 157

INDICE DEL NUMERO 26, 1991

- *Foreword*, pag. 7
- **Wolf J.A.** - *Geometric constructions of representations*, pag. 15
- **Van Acker N.** - *The maximal function of a complex measure*, pag. 41
- **Twareque Ali S.** - **Antoine J. P.** - **Gazeau J. P.** - *Square integrability of group representations on homogeneous spaces and generalized coherent states*, pag. 47
- **Borgiel W.** - **Buchner K.** - **Sasin W.** - *Locally finitely generated differential spaces of class C^r* , pag. 57
- **Braden H. W.** - **Corrigan E.** - **Dorey P. E.** - **Sasaki R.** - *Aspects of affine Toda field theory*, pag. 67
- **Bures J.** - **Soucek V.** - *The Penrose transform and Clifford analysis*, pag. 97
- **Cabras A.** - **Kolar I.** - **Modugno M.** - *General structured bundles*, pag. 105
- **Cap A.** - *Natural operators between vector valued differential forms*, pag. 113
- **Chisholm J.S.R.** - **Farwell R.S.** - *Clifford approach to metric manifolds*, pag. 123

- **Cnops J.** - *The relation between the dual and the adjoint Radon transforms*, pag. 135
- **Drozd Yu A.** - **Ovsienko S.A.** - **Futorny V.M.** - *On Gelfand-Zetlin modules*, pag. 143
- **Friedrich T.** - **Pokorna O.** - *Twistor spinors and solutions of the equation (E) on Riemannian manifolds*, pag. 149
- **Futorny V.M.** - *The graded representations of an affine Lie algebras*, pag. 155
- **Garcia A.** - **Jimenez J.A.** - **Sanchez C.U.** - *Higher order geodesics symmetries*, pag. 163
- **Golenistcheva-Kutuzova M. I.** - *Generic orbits of the diffeomorphism group of two-manifold in the space w_{reg}^* of regular momenta*, pag. 171
- **Helversen-Pasotto A.** - *On the structure constants of certain Hecke algebras*, pag. 179
- **Kolar M.** - *Cells of harmonicity*, pag. 189
- **Majid S.** - *Representations, duals and quantum doubles of monoidal categories*, pag. 197
- **Molev A. I.** - *On certain class of unitarizable representations of the Lie algebra $u(p, q)$* , pag. 207
- **Neeb K.H.** - *Invariant orders in Lie groups*, pag. 217
- **Sasin W.** - *The wedge sum of differential spaces*, pag. 223
- **Soibelman Ya. S.** - *Quantum Weyl group and some its applications*, pag. 233
- **Vanzura J.** - *Derived algebra of the Frolicher-Nijenhuis bracket algebra*, pag. 237

INDICE DEL NUMERO 27, 1991

- *Presentazione*, pag. VII
- *Premessa*, pag. 1
- *Some aspects of the scientific activity of Michele de Franchis*, pag. 3
- *Lavori scientifici di M. de Franchis*, pag. 39

INDICE DEL NUMERO 28, 1992

- *Foreword*, pag. 7
- **Filter W.** - *Measurability and decomposition properties in the dual of a Riesz space*, pag. 21
- **Grzegorek E.** - *Hereditary measurable sets*, pag. 35
- **Stone A. H.** - *The measurability of nonsingular transformations*, pag. 41
- **Bierlein D.** - *Measure extensions and measurable neighbours of a family of functions*, pag. 43
- **Hackenbroch W.** - *Conditionally multiplicative simultaneous extension of measures*, pag. 49
- **Konig H.** - *On inner/outer regular extensions of contents*, pag. 59
- **Lembcke J.** - **Weber H.** - *Decomposition of group-valued and $[0, T]$ -valued measures on Boolean rings*, pag. 87
- **Schmidt K.D.** - **Waldschaks G.** - *Common extensions of order bounded vector measures*, pag. 117
- **Bhaskara Rao K.P.S.** - **Shortt R.M.** - *Common extensions for homomorphisms and group-valued charges*, pag. 125
- **Johnson R.A.** - **Wilczynski W.** - *Finite products of Borel measures*, pag. 141
- **Macheras N.D.** - **Strauss W.** - *On various strong lifting properties for topological measure spaces*, pag. 149
- **Mejlbro L.** - **Preiss D.** - **Tiser J.** - *Positivity principles in Geometrical Measure Theory*, pag. 163
- **Dobrakov I.** - *Feynman type integrals as multilinear integrals, I*, pag. 169
- **Johnson G. W.** - **Kallianpur G.** - *The analytic Feynman integral of the natural extension of pth homogeneous chaos*, pag. 181
- **Iwanik A.** - *Baire category of mixing for stochastic operators*, pag. 201
- **Tuan N.D.** - *Classifying the infinitely divisible probability measures via generalized selfdecomposable structure*, pag. 219
- **Becker R.** - *Caracterisation d'opérateurs par des propriétés de retrecissement d'angles*, pag. 259
- **Musial K.** - *A standard proof of a result of Wiid*, pag. 265
- **Anger B.** - **Portenier C.** - *Radon integrals and Riesz representation*, pag. 269

- **Portenier C.** - *Le theoreme de Prokhorov-Sazonov comme theoreme de representation*, pag. 301
- **Bandt C.** - **Kuschel T.** - *Self-similar sets 8. Average interior distance in some fractals*, pag. 307
- **Culter C.D.** - *Measure disintegrations with respect to μ -stable monotone indices and the pointwise representation of packing dimension*, pag. 319
- **Edgar G.A.** - *Fractal dimension of self-affine sets: some examples*, pag. 341
- **Mauldin R.D.** - *Continua with μ -finite linear measure*, pag. 359
- **Taylor S.J.** - *A measure theory definition of fractals*, pag. 371
- **D'Andrea A.B.** - **De Lucia P.** - *The Lebesgue decomposition theorem on an orthomodular lattice*, pag. 379
- **Pap E.** - *Decomposable measures and applications on nonlinear partial differential equations*, pag. 387
- **Jovanovic A.** - *Some more details in Rudin Keisler order*, pag. 405
- **Klivanek I.** - *Extensions of the Paley-Wiener-Zygmund integral*, pag. 409
- **Novak E.** - *Some applications of functional integration: Average errors of numerical methods*, pag. 425
- *Problems*, pag. 439

INDICE DEL NUMERO 29, 1992

- *Prefazione*, pag. 7
- *Conferenze e comunicazioni scientifiche presentate*, pag. 8
- *Altri partecipanti*, pag. 10

CONFERENZE

- **Bella A.** - *Few results and problems concerning cardinal functions*, pag. 13
- **Cagliari F.** - *Cartesian objects and exponentiable morphisms in topology*, pag. 25
- **Cerin Z.** - *Conductors*, pag. 41
- **Coban M.M.** - *The open mappings and spaces*, pag. 51

- **Dikranjan D.** - *Semiregular closure operators and epimorphisms in topological categories*, pag. 105
- **Faulkner G. D.** - *Compactifications from mappings*, pag. 161
- **Grandis M.** - *A categorical approach to exactness in algebraic topology*, pag. 179
- **Hohle U.** - *Almost everywhere convergence and Boolean-valued topologies*, pag. 215
- **Ivansic I. - Rubin L. R.** - *Unknotting a disk in E^3 keeping its boundary fixed*, pag. 229
- **Kiihl De Souza J. C.** - *Bordism ring of complex involutions*, pag. 251
- **Magro G.** - *Cellularietà e problemi di approssimazione*, pag. 289
- **Rodabaugh S.E.** - *Necessity of Chang-Goguen topologies*, pag. 299

COMUNICAZIONI

- **Andrijevic D.** - *On SPO-equivalent topologies*, pag. 317
- **Bella A. – Di Maio G. – Naimpally S.** - *Abstract measure of farness and hypertopologies*, pag. 329
- **Betti R.** - *On Internal topologies and the inverse image*, pag. 339
- **Borceux F. - Vitale E.** - *A Morita theorem in topology*, pag. 353
- **De Mitri C. - Guido C.** - *G-Fuzzy topological spaces and subspaces*, pag. 363
- **Dikranjan D. - Rodino' N.** - *Isomorphism between finite powers of connected, totally minimal, pseudocompact, abelian groups*, pag. 385
- **Fedeli A.** - *On Compact and TOP_0 -compact sobrification*, pag. 399
- **Gandini P.M. - Zamfirescu T.** - *The level structure of nearly all real continuous functions*, pag. 407
- **Georgiou D. – Iliadis S.D.** - *Containing spaces and the property of finite intersections*, pag. 415
- **Iliadis S.** - *A note on compactifications of RIM-scattered spaces*, pag. 425
- **Jalali A.** - *A representation of Kleene algebras and characterization of weakly projective Kleene & De Morgan algebras*, pag. 435
- **James I.M.** - *Alexandroff spaces*, pag. 475
- **Jelic M.** - *On some mappings of bitopological spaces*, pag. 483
- **Kiihl De Souza J. C. – Demaria D.** - *On complete digraphs which are associated to spheres*, pag. 495

- **Kocinac L.** - *Some cardinal functions in metrization theory*, pag. 511
- **Macho Stadler M.** - **De Prada Vincente M.A.** - *Fuzzy N -Limit spaces*, pag. 521
- **Markin S.** - **Sostak A. P.** - *Another approach to the concept of a fuzzy proximity*, pag. 529
- **Matier J.** - **McMaster T.B.M.** - *Minimal countable space*, pag. 553
- **McMaster T.B.M.** — **Matier J.** - *Total negations of hereditary properties*, pag. 563
- **Pacati C.** - *Compactness defined by an epi-reflector*, pag. 575
- **Stramaccia L.** - *On a class of stable spaces*, pag. 587
- **Vitolo P.** - *Scott topology and Kuratowski convergence on the closed subsets of a topological space*, pag. 591

INDICE DEL NUMERO 30, 1993

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Klein J.R.** - *Higher Reidemeister torsion and parametrized Morse theory*, pag. 15
- **Neeb K.-H.** - *Ordered symmetric spaces*, pag. 21
- **Pekonen O.** - *A K -theoretic approach to Chern-Cheeger-Simons invariants*, pag. 27
- **Sasin W.** - **Multarzyński P.** - *The Legendre transformation in differential spaces*, pag. 35
- **Goździk S.** - **Wojtyński W.** - *Lie algebra of a family of one-parameter subgroups*, pag. 47
- **Cap A.** - *Report on K -theory for convenient algebras*, pag. 55
- **Grabowski J.** - *Universal enveloping algebras and quantization*, pag. 65
- **Kubarski J.** - *Characteristic classes of regular Lie algebroids a sketch*, pag. 71
- **Gancarzewicz J.** - **Kolar I.** - *Natural affinors on the extended r -th order tangent bundles*, pag. 95
- **Debecki J.** - *Natural transformations of affinors into functions and affinors*, pag. 101
- **Majewski M.** - *A proof of the Baues-Lemaire conjecture in rational homotopy theory*, pag. 113

- **Markl M.** - *Formal computations in low-dimensional topology: links and group presentations*, pag. 125
- **Bunke U.** - *Comparison of Dirac operators on manifolds with boundary*, pag. 133
- **Armas-Gomez S.** - **Margalef-Roig J.** - **Outerelo-Dominguez E.** - **Padron-Fernandez E.** - *Embedding of a Urysohn differentiable manifold with corners in a real Banach space*, pag. 143
- **Rodionov E.D.** - *Some examples of homogeneous Einstein manifolds*, pag. 153
- **Zvengrowski P.** - *3-Manifolds and relativistic kinks*, pag. 157
- **Przbylski B.** - *The tangent and the cotangent vector square of a pointed differential square*, pag. 163
- **Bures J.** - **Soucek V.** - *The Penrose transform for Dirac equation*, pag. 183
- **Helversen-Pasotto A.** - *Gamma-function and Gaussian-sum-function*, pag. 195

INDICE DEL NUMERO 31, 1993

- *Foreword.* 7
- **Amitsur S.A.** - **Small L.W.** - *Affine algebras with polynomial identities*, pag. 9
- **Bahturin Y.** - *Identities and representations of enveloping algebras*, pag. 45
- **Drensky V.** - *Endomorphisms and automorphisms of relatively free algebras*, pag. 97
- **Kemer A.** - *Identities of algebras over a field of characteristic p* , pag. 133

INDICE DEL NUMERO 34, 1994

- *Editor's introduction*, pag.7
- **Mawhin J.** - *The centennial legacy of Poincare and Lyapunov in ordinary differential equations*, pag. 9
- **Gray J.** - *On the history of the Riemann mapping theorem*, pag. 47

- **Tazzioli R.** - *Il teorema di rappresentazione di Riemann: critica e interpretazione di Schwarz*, pag. 95
- **Dalmedico A.D.** - *La renaissance des systemes dynamiques aux Etats-Unis apres la deuxieme guerre mondiale: l'action de solomon lefschetz*, pag. 133

INDICE DEL NUMERO 35, 1994

- *List of Participants*, pag. 7
- **Stoka M.** - *Opening address*, pag. 11
- **Altshuler A.** - **Bokowski J.** - **Schuchert P.** - *Sphere systems and neighborly spatial polyhedra with 10 vertices*, pag. 15
- **Arca G.** - **Duma A.** - *Two "Buffon-Laplace type" problems in the Euclidean plane*, pag. 29
- **Borisov A. V.** - *Integral geometry in the galilean plane*, pag. 41
- **Buchta C.** - *On the probability that two sets of points have disjoint convex hulls*, pag. 67
- **Coleman R.** - *Invariant random lines R_i from vertical sections*, pag. 75
- **Cuesta-Albertos J.A.** - **Matran-Bea C.** - *Stochastic convergence through skorohod representation theorems and wasserstein distances*, pag. 89
- **Duma A.** - *Buffon's problem for a long needle in a weak magnetic field*, pag. 115
- **Duma A.** - **Rizzo S.** - *The Buffon's needle problem in a weak magnetic field*, pag. 127
- **Florian A.** - *Extremum problems for convex polyhedra*, pag. 143
- **Gandini P.M.** - *The sausage-catastrophe for coverings in 3-space*, pag. 157
- **Husler J.** - *Growth of germ-grain models with random speed*, pag. 163
- **Leuci M.** - **Pastore A.M.** - *Families of curves measurable with respect to the affine unimodular group*, pag. 171
- **McMullen P.** - *Applications of the polytope algebra*, pag. 203
- **Miles R. E.** - *Random symmetric thick cord knots*, pag. 217
- **Peri C.** - *On the minimal convex shell of a convex body*, pag. 225

- **Remon M.** - *The estimation of a convex domain when inside and outside observations are available*, pag. 227
- **Santoro G.** - *Sulla misurabilità della famiglia dei sistemi di cilindro quadrico e piano, non parallelo alle generatrici*, in *A*, pag. 237
- **Santoro G.** - **Dulio P.** - *Caratterizzazione della misurabilità per le famiglie dei sistemi di iperpiani passanti per un punto fisso dello spazio affine A_n ($n \geq 3$)*, pag. 251
- **Schneider R.** - *An extension of the principal Kinematic formula of integral geometry*, pag. 275
- **Schulz C.** - *Polyhedral manifolds on polytopes*, pag. 291
- **Streit F.** - *Parametric inference for the median of a multivariate distribution*, pag. 299
- **Vassallo S.** - *Covering problems for plane lattices*, pag. 311
- **Vitale R. A.** - *Stochastic smoothing of convex bodies: two examples*, pag. 315
- **Weil W.** - *Support functions on the convex ring in the plane and support densities for random sets and point processes*, pag. 323
- **Wills J.M.** - *Bin packing and bag packing*, pag. 345

INDICE DEL NUMERO 36, 1994

- *List of talks*, pag. 7
- *Introduction*, pag. 9
- **Bardelli F.** - *On the origins of the concept of irregularity of an algebraic surface*, pag. 11
- **Brigaglia A.** - **Mammone P.** - *Francesco cecioni and the construction of division algebras*, pag. 27
- **Casadio G.** - **Zappa G.** - *I contributi matematici di Francesco Faà di Bruno nel periodo 1873-1881, con particolare riguardo alla teoria degli invarianti*, pag. 47
- **Ciliberto C.** - **Pedrini C.** - *Annibale Commessatti and real algebraic geometry*, pag. 71

- **Conte A.** - *La scoperta e i primi tentativi di classificazione delle superficie di Enriques nella corrispondenza inedita di Federigo Enriques a Guido Castelnuovo*, pag. 103
- **Gario P.** - *Singularità e fondamenti della geometria sopra una superficie nelle lettere a Castelnuovo*, pag. 117
- **Gray J. J.** - *German and Italian algebraic geometry*, pag. 151
- **Hawkins T.** - *Lie groups and geometry: the Italian connection*, pag. 185
- **Laksov A. D.** - *Remarks on Giovanni Zeno Giambelli's Work And Life*, pag. 207
- **Murre J.P.** - *On the work of Gino Fano on three-dimensional algebraic varieties*, pag. 219
- **Novy L.** - *Le changement du systeme des notions algebriques*, pag. 231
- **Toti Rigatelli L.** - *La teoria di Galois classica in Italia nella prima metà del XX secolo*, pag. 243
- **Xambo-Descamps S.** - *Francesco Severi and the principle of conservation of number*, pag. 255

INDICE DEL NUMERO 37, 1994

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Kolar I.** - *100th anniversary of birthday of Eduard Cech*, pag. 13
- **Bures J.** - *Harmonic spinors on Riemann surfaces*, pag. 15
- **Cadek M.** - **Vanzura J.** - *On the classificaton of oriented vector bundles over 9-complexes*, pag. 33
- **Debecki J.** - *Natural transformations of Lagrangiansm*, pag. 41
- **Dijkhuizen M.S.** - *The double covering of the quantum group $SO_q(3)$* , pag. 47
- **Dorabiala W.** - *Finite group actions on 2-dimensional CW-complexes*, pag. 59
- **Gancarzewicz J.** - **Mikulski W.** - **Pogoda Z.** - *Properties of product preserving functors*, pag. 69

- **Grabowski J.** - *Hochschild cohomology and quantization of Poisson structures*, pag. 87
- **Hlavaty L.** - *Examples of quantum braided groups*, pag. 93
- **Hruby J.** - *Q-deformed inverse scattering problem*, pag. 103
- **Kolar I.** - *On cotangent bundles of some natural bundles*, pag. 115
- **Markl M.** - *Deformations and the coherence*, pag. 121
- **Mikulski W.M.** - *Natural liftings of foliations to the r-tangent bundle*, pag. 153
- **Milgram R.J.** - **Zvengrowski P.** - *An application of principal bundles to coloring of graphs and hypergraphs*, pag. 161
- **Mohnke K.** - *On Vassiliev's knot invariants*, pag. 169
- **Ogievetsky O.** - *Hopf structures on the Borel subalgebra of $sl(2)$* , pag. 185
- **Pokorna O.** - *Spinor fields on riemannian manifolds*, pag. 201
- **Schueth D.** - *Isospectral, non-isometric riemannian manifolds*, pag. 207
- **Soucek V.** - *Residues for monogenic forms on riemannian manifolds*, pag. 233
- **Tralle A.** - *On some rational fibrations with non-vanishing Massey products over homogeneous spaces*, pag. 243

INDICE DEL NUMERO 38, 1995

- *Lista dei partecipanti*, pag. 7
- **Baronti M.** - **Papini P. L.** - *Diameters, centers and diametrically maximal sets*, pag. 11
- **Dulio P.** - *Sulla misurabilità della famiglia dei sistemi di cilindro quadrico parabolico e coppia di piani passanti per un punto fisso di A_3* , pag. 25
- **Duma A.** - **Stoka M.** - *Problems of Buffon type in the Euclidean space E_n* , pag. 31
- **Duma A.** - **Stoka M.** - *Le probleme de Buffon pour une "grande" ellipse*, pag. 39
- **Gandini P. M.** - *On finite sphere packings in 4-space*, pag. 53
- **Montes F.** - **Plaza M.** - *Statistical inference on boolean models: a test germ based on morphological transformations*, pag. 63

- **Peri C. - Vassallo S.** - *Minimal properties for convex annuli of plane convex curves*, pag. 75
- **Pederzoli G.** - *Volumetric distributions for random tessellations*, pag. 77
- **Pettineo M.** - *On a problem of integral geometry in the n -dimensional euclidean space*, pag. 83
- **Pettineo M.** - *Problemi di probabilità geometriche per reticoli triangolari nel piano euclideo*, pag. 89
- **Petriccione M.** - *Sulla misurabilità della famiglia dei sistemi di cilindro quadrico e piano passanti per un punto fisso A* , pag. 97
- **Santoro G.** - *Sulla misurabilità della famiglia dei sistemi di punto, retta, e piano nello spazio affine A* , pag. 105
- **Wills J.M.** - *On a new approach to packing and covering*, pag. 117
- **Zucco A.** - *A generalization of the circumsphere of a convex body*, pag. 123

INDICE DEL NUMERO 39, 1996

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Huebschmann J.** - *Poisson geometry of certain moduli spaces*, pag. 15
- **Bis A.** - *Geometrical directions and ends of a manifold, points of accumulation of a direction of a group in the hyperbolic space H^3* , pag. 37
- **Cap A. - Schichl H.** - *Characteristic classes for A -bundles*, pag. 57
- **Doupovec M. - Vondra A.** - *Some natural operations between connections on fibred manifolds*, pag. 73
- **Korbas J. - Zvengrowski P.** - *On sectioning tangent bundles and other vector bundles*, pag. 85
- **Mikulski W.M.** - *Natural operators lifting vector fields on manifolds to the bundles of covelocities*, pag. 105
- **Rogowski J.** - *Some integral formulas for a Riemannian 3-manifold equipped with a system of orthogonal foliations*, pag. 117

- **Slovak J.** - *The principal prolongation of first order G-structures*, pag. 123
- **Studený V.** - *General Nijenhuis tensor an example of a secondary invariant*, pag. 133
- **Znojil M.** - *Circular vectors and toroidal matrices*, pag. 143

INDICE DEL NUMERO 40, 1996

- *Preface*, pag. 7
- *Program of the Conference*, pag. 9
- *Participants*, pag. 13
- *Contributed Papers*, pag. 21
- **Altomare F.** - **Carbone I.** - *On a new sequence of positive linear operators on unbounded intervals*, pag. 23
- **Aiena P.** - **Gonzalez M.** - *On the perturbation classes of semi-Fredholm and Fredholm operators*, pag. 37
- **Ayerbe J.M.** - **Cutillas S.F.** - *About some kinds of non-compact moduli for the property (-) od Rolewicz*, pag. 47
- **Baran M.** - *Two applications of the complex interpolation method*, pag. 57
- **Baronti M.** - **Casini E.** - **Papini P. L.** - *Central points of finite sets*, pag. 63
- **Cabello J. C.** - **Nieto E.** - *M(S)-inequality and property (u)*, pag. 73
- **Benavides T. D.** - *Some fixed point theorems in Orlicz sequence spaces*, pag. 79
- **Bonanno G.** - *Semilinear elliptic eigenvalue problems*, pag. 93
- **Bugajewski D.** - *Some applications of Vidossich's theorem to differential equations*, pag. 99
- **Castillo J.M.F.** - **Simoes M.A.** - *On p-summable sequences in Bochner-Lebesgue spaces*, pag. 103
- **Costabile F.** - **Luceri R.** - **Gualtieri M.I.** - *An operator of Bernestein type with applications to the indefinite integral and differential Cauchy problem*, pag. 109
- **De Lucia P.** - **Salvati S.** - *A Cafiero characterization of uniform S-boundedness*, pag. 121

- **Espinola-Garcia R.** - *Darbo-Sadowski's theorem in hyperconvex metric spaces*, pag. 129
- **Gorniewicz L. - Marano S. A.** - *On the fixed point set of multivalued contractions*, pag. 139
- **Lopez G. - Mena J. F.** - *The point of continuity property in some Banach spaces with a basis*, pag. 147
- **Render H.** - *Homomorphisms on Hadamard algebras*, pag. 153
- **Romito M.** - *Korovkin subsets for the Dirichlet operator associated with a strictly elliptic differential operator*, pag. 159
- **Sonntag Y.** - *Convergences of sequences of closed sets in a metric space and applications*, pag. 171

INDICE DEL NUMERO 41, 1996

- *Lista dei partecipanti*, pag. 7
- **Duma A.** - *Ein Problem vom Typ Buffon für einen "gro- en" Kreissektor*, pag. 11
- **Barletta E. - Dragomir S.** - *Submanifolds fibered in tori of a complex Hopf manifold*, pag. 25
- **Dulio P.** - *Restrictions of measures on subfamilies*, pag. 45
- **Dulio P.** - *On some methods for building measures*, pag. 69
- **Duma A. - Stoka M.** - *Geometric probabilities for non-regular lattices (I)*, pag. 81
- **Gamba E. - Micheletti A.** - *Boolean model and polymer crystallization process*, pag. 93
- **Husler J.** - *On the convex hull of dependent random vectors*, pag. 109
- **Leuci M.** - *Famiglie di superfici misurabili rispetto al gruppo affine unimodulare*, pag. 119
- **Pederzoli G.** - *Caratterizzazioni geometriche di giochi cooperativi*, pag. 155
- **Peri C.** - *Approximation of compact sets by spherical shells*, pag. 165
- **Petriccione M.** - *Sulla misurabilità di alcune famiglie di cilindro e varietà lineare in E_n* , pag. 175

- **Raguso G. - Rella L.** - *Sulla misurabilità della famiglia delle coppie di sfere ortogonali*, pag. 189
- **Santoro G.** - *Sulla misurabilità della famiglia di coppie di cilindri parabolici in A* , pag. 195
- **Santoro G.** - *Sulla misurabilità della famiglia dei sistemi di cilindro parabolico e coppia di piani in A* , pag. 207
- **Schneider R.** - *Volumes of projections of polytope pairs*, pag. 217
- **Stoka M.** - *Problems de type Buffon pour un reseau irregulier*, pag. 227
- **Vassallo S.** - *Approximation of compact sets in Minkowski spaces*, pag. 237
- **Vitale R. A.** - *A stochastic argument for the uniqueness of the Steiner point*, pag. 241
- **Wills J. M.** - *Sphere packings and the concept of density*, pag. 245

INDICE DEL NUMERO 42, 1996

- **Santilli R.M.**, *Nonlocal-integral isotopies of differential calculus, mechanics and geometry*, pag. 7
 1. *Background notions on isotopies*, pag. 8
 2. *Isotopic liftings of Newtonian, analytic and quantum mechanics*, pag. 27
 3. *Isotopic liftings of local-differential geometries*, pag. 58
- **Kadeisvili J.V.**, *Foundations of the Lie-Santilli isothory*, pag. 83
 1. *Introduction*, pag. 83
 2. *Elements of Isotopies and isodualities*, pag. 91
 3. *Isotopies and Isodualities of Lie's Theory*, pag. 98

INDICE DEL NUMERO 43, 1996

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Dobrev V.K.** - *q -Difference conformal invariant operators and equations*, pag. 15
- **Eastwood M.** - *Notes on conformal differential geometry*, pag. 57

- **Mason L. J.** - *Twistor theory, self-duality and integrability*, pag. 77
- **Akhmetiev P.M.** - *A high-order helicity invariant and the Rokhlin theorem*, pag. 85
- **Cap A.** - **Slovak J.** - *On local flatness of manifolds with ahs-structures*, pag. 95
- **Eichhorn J.** - **Fricke J.** - **Lang A.** - *Metrics conformally equivalent to bounded geometry*, pag. 103
- **Doupovec M.** - **Kurek J.** - *Liftings of covariant (0,2)-tensor fields to the bundle of K -dimensional 1-velocities*, pag. 111
- **Gross C.** - *Cohomology and connection on \mathbb{A}^1 -bundles*, pag. 123
- **Hruby J.** - *On the Q -deformed Heisenberg uncertainty relations and discrete time*, pag. 133
- **Janyska J.** - *Natural symplectic structures on the tangent bundle of a space-time*, pag. 153
- **Kolar I.** - **Virsik G.** - *Connections in first principal prolongations*, pag. 163
- **Kozma L.** - *On Finsler-Weyl manifolds and connections*, pag. 173
- **Kures M.** - *Natural lifts of classical linear connections to the cotangent bundle*, pag. 181
- **Ludde M.** - *Yang-Baxter deformations of complex simple Lie algebras*, pag. 189
- **Mikulski W.M.** - *Natural operators lifting functions to cotangent bundles of linear higher order tangent bundles*, pag. 199
- **Sobczyk J.** - *Quantum deformation of relativistic supersymmetry*, pag. 207
- **Vanzurova A.** - *Special connections on smooth 3-web manifolds*, pag. 217

INDICE DEL NUMERO 44, 1996

- *Editor's introduction*, pag. 7
- **Ullrich P.** - *The Riemann mapping problem*, pag. 9
- **Von Renteln M.** - *Friedrich Prym (1841-1915) and his investigations on the dirichlet problem*, pag. 43
- **Alexander D.S.** - *An episodic history of complex dynamics from Schroder to Fatou and Julia*, pag. 57

- **Bottazzini U. - Gray J.J.** - *Complex function theory from Zurich (1897) to Zurich (1932)*, pag. 85
- **Sinaceur H.** - *Mathematiques et metamathematique du Congres de Paris (1900) au congres de Nice (1970): nombres reels et theorie des modeles dans les travaux de Tarski*, pag. 113

INDICE DEL NUMERO 45, 1996

- *Participants*, pag. 8
- *Preface*, pag. 15
- *Concerning the G. Fichera Lecture*, pag. 16
- **Ali G. - Hunter J.K.** - *Resonant Reflection of Sound Waves by Large Amplitude Entropy Waves*, pag. 17
- **Anile A.M.** - *Mathematical Modeling of Charge Carrier Transport in Semiconductors: Problems and Perspectives*, pag. 27
- **Anile A.M. - Vergari P.** - *Anomalous Heat Transport in Semiconductors within Extended Thermodynamics*, pag. 53
- **Au J.D.** - *Nonlinear Closure in Molecular extended Thermodynamics with Applications to the Shock Wave Structure Solution*, pag. 59
- **Boillat G.** - *On Nonlinear Plane Waves*, pag. 69
- **Capone F.** - *On the Stability of Bernard Problem for Fluid Mixture with Viscosity and Solute Diffusivity Depending on Temperature*, pag. 73
- **Capone F. - Rionero S. - Torricollo I.** - *On the Stability of Solutions of the Remarkable Equation $u_t = F(x,u) - g(x,u)$* , pag. 83
- **Cavallini F. - Carcione J. M.** - *Reflection and Transmission of Anti-Plane Shear Waves in Anisotropic Media*, pag. 91
- **Cercignani C.** - *Instabilities of the Solutions of the Boltzmann Equation*, pag. 101
- **Choquet-Bruhat Y. - Greco A.** - *Interaction of Gravitational and Fluid Waves*, pag. 111

- **Ciancio V. - Dolfin M. - Van P.** - *Thermodinamical theory of Dia and Paramagnetic Materials*, pag. 125
- **Cimmelli V. A. - Frischmuth K.** - *Hyperbolic Heat Conduction at Cryogenic Temperatures*, pag. 137
- **Como M. - Grimaldi A.** - *On Stability and Equilibrium Path Evolution of Continuous Elastic Structures*, pag. 147
- **Cornille H.** - *Nested-Hexagons and Squares DBMs with Arbitrary Number of Velocities Satisfying a Continuous Theory Relation*, pag. 157
- **Crisciani F. - Cavallini F.** - *Nonlinear Asymptotic Stability of Quasi-Geostrophic Wind Driven Ocean Circulation*, pag. 167
- **D'Ambrogio E.** - *Kinetic Approach to Stochastic Systems at the Example of a Dissipative Nonlinear Oscillator*, pag. 177
- **Dauby P.C. - Lebon G. - Colinet P.** - *Nonlinear Marangoni Instability in 3-D Rigid Boxes*, pag. 185
- **Donato A. - Oliveri F.** - *Exceptionality Condition and Linearization of Hyperbolic Equations*, pag. 193
- **Drazin P.G. - Tourigny Y.** - *Extending the Utility of Perturbation Series in Problems of Waves and Stability*, pag. 209
- **Fabrizio M. - Gentili G. - Reynolds D.W.** - *Free Energy and Stability for Heat Conductors with Linear Memory*, pag. 221
- **Fergola P. - Tenneriello C. - Ma Z. - Wen X.** - *Polluted Chemostat Models with Periodic Nutrient and Fluctuating Toxicant Input*, pag. 231
- **Flavin J. N.** - *The Method of Cross-Sectional Integrals for P.D.E.s*, pag. 253
- **Fusco D. - Manganaro N.** - *Differential Constraints and Reduction Techniques for Nonlinear Models of Interest in Wave Propagation*, pag. 265
- **Gabetta E. - Pareschi L.** - *Boundedness of Moments and Trend to Equilibrium for the Non Cut-off Kac Equation*, pag. 285
- **Guerriero G.** - *On the Stability of the Solutions of a Nonlinear Integral Evolution Problem in Particle Transport Theory*, pag. 299
- **Hanyga A.** - *Oscillatory Integrals and Asymptotic Diffraction Theory*, pag. 307
- **Knops R. J.** - *Spatial Stability in the Constrained Elastic Cylinder*, pag. 333

- **Lauro G. - Soares A. J.** - *Initial -Boundary Value Problems for the Broadwell Model*, pag. 347
- **Liu Tai-Ping** - *Stability and Viscosity Criterion of Shocks*, pag. 357
- **Liu Xu-Dong - Lax P. D.** - *Positive Schemes for Solving Multi-dimensional Hyperbolic Systems of Conservation Laws*, pag. 367
- **Magri F. - Pedroni N.** - *KDV Equations, KP Equations and Bihamiltonian Manifolds*, pag. 377
- **Marcati P. - Rubino B.** - *Parabolic Relaxation Limit for Hyperbolic Systems of Conservation Laws*, pag. 393
- **Mauro V.** - *An Energy Partition Function and Non Linear MHD Stability*, pag. 407
- **Minagawa S.** - *Harmonic Waves Propagation in Elasto-Piezoelectric Composite Plates and Periodically Layered Media*, pag. 417
- **Mongiovi' M. S.** - *Boundary Conditions in Extended Thermodynamics of Liquid Helium II*, pag. 427
- **Mongiovi' M. S. - Romeo S.** - *A First Approach to Superfluid Turbulence through a Nonlinear Extended Thermodynamic Model*, pag. 433
- **Montanaro A.** - *Some Informations on Constitutive Quantities of a Prestressed Body Given by the Propagation of Small Aplitude Waves*, pag. 443
- **Muller I.** - *Thermodynamic Aspects of Photosynthesis*, pag. 453
- **Mulone G. - Rionero S.** - *Some Recent Resoultts on the Onset of Convection*, pag. 465
- **Muracchini A. - Ruggeri T. - Seccia L.** - *Simple Heat Waves in Solids*, pag. 477
- **Oliveri F.** - *Wave Propagation in Granular Materials as Continua with Microstructure: Application to Seismic Waves in a Sediment Filled Site*, pag. 487
- **Pandolfi Bianchi M. - Soares A. J.** - *Steady Detonation Waves in Discrete Kinetic Theory*, pag. 501
- **Polewczak J.** - *Some Physical and Mathematical Problems in the Square-well Kinetic Theory*, pag. 513
- **Pulvirenti A. - Toscani G.** - *Fast Diffusion as a Limit of a Two-Velocity Kinetic Model*, pag. 521
- **Pulvirenti M.** - *On the Enskog Hierarchy: Analicity, Uniqueness and Derivability by Particle Systems*, pag. 529

- **Restuccia L. - Maruszewski B. - Starosta R.** - *Waves in a Defective Semiconductor*, pag. 543
- **Rogolino P.** - *Waves Solutions in Rheological Media*, pag. 561
- **Romano V.** - *Shock Waves in Relativistic Radiation Hydrodynamics*, pag. 573
- **Rossani A.** - *Euler Equations and Sound wave Propagation for a Discrete Speed Model of a Mixture of Reacting Gases*, pag. 585
- **Sammartino M. - Caflish R. E.** - *Zero Viscosity Limit for Analytic Solutions of the Navier Stokes Equations*, pag. 595
- **Seccia L.** - *Simple Waves Propagation in a Nonlinear Dielectric Medium*, pag. 607
- **Straughan B.** - *Interesting Instability Results in Multi Component Convection Diffusion*, pag. 615
- **Struchtrup H.** - *A New Moment Method in Radiation Thermodynamics*, pag. 627
- **Strumia A.** - *Lagrangian relativistic extended thermodynamics*, pag. 637
- **Toscani G.** - *On Regularity and Asymptotic Behaviour of a Spatially Homogeneous Maxwell Gas*, pag. 649
- **Weiss W.** - *Numerical Calculation of Continuous and Noncontinuous Shock Structure*, pag. 663
- **Wennberg A.** - *The Povzner Inequality and Moments in the Boltzmann Equation*, pag. 673
- *Special Session in Honour of G. Grioli*, pag. 683
- **Fichera G.** - *Asymptotic Behaviour of Solutions of Evolution Problems*, pag. 685
- **Rionero S.** - *On the Stability of Couette-Poiseuille Flows in the Anisotropic MHD*, pag. 699
- **Ruggeri T.** - *Hyperbolic Principal Subsystems*, pag. 711

INDICE DEL NUMERO 46, 1997

- *Foreword*, pag. 5
- *List of participants*, pag. 7

- **Beidar K. - Fong Y. - Stolin A.** - *Symmetric algebras and Yang-Baxter equation*, pag. 15
- **Branson T.** - *Spectral theory of invariant operators, sharp inequalities, and representation theory*, pag. 29
- **Eastwood M.** - *Complex methods in real integral geometry*, pag. 55
- **Dobrev V.K. - Moylan P.** - *Singleton Representations of $U_q(\mathfrak{so}(3,2))$* , pag. 73
- **Doupovec M. - Kurek J.** - *Natural operations of Hamiltonian type on the cotangent bundle*, pag. 81
- **Gross C.** - *Equivariant cohomology of the skyrmion bundle*, pag. 87
- **Hinterleitner F.** - *Local and global aspects of separating coordinates for the Klein-Gordon equation*, pag. 97
- **Kraus M.** - *BRS-Transformations in a finite dimensional setting*, pag. 107
- **Ludde M.** - *A unified construction of the Alexander- and the Jones- invariant*, pag. 117
- **Mikes J. - Starko G. A.** - *K-Concircular vector fields and holomorphically projective mappings, on Kahlerian spaces*, pag. 123
- **Rataj J.** - *The iterated version of a translative integral formula for sets of positive reach*, pag. 129
- **Rybicki T.** - *On admissible groups of diffeomorphisms*, pag. 139
- **Schmitt A.** - *Existence of Skyrmions*, pag. 147
- **Schmitt T.** - *Symplectic solution supermanifolds in field theory*, pag. 153
- **Tiller P.** - *The approximate symmetries of the vacuum Einstein equations*, pag. 163
- **Vanzurova A.** - *Connections for non-holonomic 3-webs*, pag. 169

INDICE DEL NUMERO 47, 1997

- *Presentazione*, pag. V
- *L'attività scientifica di Michele Cipolla*, pag. IX
- *La determinazione assintotica dell' n^{mo} numero primo*, pag. 1
- *Un metodo per la risoluzione della congruenza di secondo grado*, pag. 37

- *Sei numeri composti P , che verificano la congruenza di Fermat $a^{P-1} \equiv 1 \pmod{P}$, pag. 47*
- *Applicazione della teoria delle funzioni numeriche del second'ordine alla risoluzione della congruenza di secondo grado, pag. 37*
- *Estensione delle formule di Meissel-Rogel e di Torelli sula totalità dei numeri primi che non superano un numero assegnato, pag. 85*
- *Sulla risoluzione apiristica delle conseguenze binomie secondo un modulo primo, pag. 100*
- *Sulla risoluzione apiristica delle congruenze binomie (Nota I), pag. 108*
- *Sulla risoluzione apiristica delle congruenze binomie (Nota II), pag. 114*
- *Sulla teoria dei gruppi abeliani, pag. 124*
- *Sulla struttura dei gruppi d'ordine finito (Nota I), pag. 151*
- *Sulla struttura dei gruppi d'ordine finito (Nota II), pag. 162*
- *Sulla struttura dei gruppi d'ordine finito (Nota III), pag. 174*
- *Sulla struttura dei gruppi d'ordine finito (Nota IV), pag. 181*
- *Sul teorema di Hadamard relativo al modulo massimo di un determinante, pag. 188*
- *Sul postulato di Zermelo e la teoria dei limiti delle funzioni, pag. 193*
- *Le sostituzioni ortogonali non cayleyane, pag. 206*
- *Sulle equazioni algebriche le cui radici sono tutte radici dell'unità, pag. 224*
- *I gruppi finiti dei primi tre tipi (Nota I), pag. 230*
- *I gruppi finiti dei primi tre tipi (Nota II), pag. 238*
- *I gruppi finiti dei primi tre tipi (Nota III), pag. 247*
- *Sui principi del calcolo aritmetico-integrale, pag. 258*
- *Determinanti della teoria dei numeri, pag. 292*
- *Sui sistemi di funzioni ortogonali che ammettono un sistema complementare finito, pag. 302*
- *Sullo sviluppo di un determinante secondo i minori di due matrici complementari, pag. 316*
- *Il discriminante e il numero delle radici immaginarie di un'equazione algebrica a coefficienti reali, pag. 324*
- *Sulla determinazione della base canonica di un ideale in un corpo quadratico, pag. 347*

- *Sulle serie semplicemente convergenti*, pag. 358
- *I triangoli di Fermat e un problema di Torricelli*, pag. 365
- *Sulla risoluzione in numeri interi dell'equazione $x^2=8y^2+z^2$* , pag. 414
- *Sul criterio di convergenze di Hardy (Nota I)*, pag. 421
- *Sul criterio di convergenze di Hardy (Nota II)*, pag. 433
- *Criteri di convergenza riducibili a quello di Hardy-Landau*, pag. 443
- *Sui fondamenti logici della Matematica secondo le recenti vedute di Hilbert*, pag. 453
- *I sottogruppi fondamentali di un gruppo di Holder*, pag. 464
- *Formule di risoluzione apiristica delle equazioni di grado qualunque in un corpo finito*, pag. 502
- *Algoritmo per la determinazione del termine generale di una data successione di numeri interi crescenti*, pag. 510
- *Sulle funzioni numeriche del massimo divisore e del minimo multiplo comune a due numeri*, pag. 515
- *Sulle matrici espressioni analitiche di un'altra*, pag. 526
- *Dedotte e controdedotte dei vari ordini di una funzione numerica*, pag. 537

INDICE DEL NUMERO 48, 1997

- *Preface*, pag. 7
- *List of participants*, pag. 9
- **Antoni C.** - *Duality for generalized systems*, pag. 11
- **Bonanno G.** - *Global optimization of connected functionals*, pag. 19
- **Castellani M.** - *Separation of sets and optimality conditions*, pag. 27
- **Castellani M.** - **Jama J. M.** - **Mastroeni G.** - *Duality relations for Variational Inequalities with applications to network flows*, pag. 39
- **Chinni' A.** - *On a complement to Ekeland's variational principle*, pag. 57
- **Cubiotti P.** - *Existence of quasi-equilibria and applications to abstract economies with lower semicontinuous feasible strategy multifunctions*, pag. 63

- **Cubiotti P. - Di Bella B.** - *On the existence of zeros for multivalued operators*, pag. 83
- **Daniele P.** - *A remark on a dynamic model of a Quasi-Variational Inequality*, pag. 91
- **De Luca M.** - *Existence of solutions for a time-dependent Quasi-Variational Inequality*, pag. 101
- **Ferrari P.** - *The meaning of capacity constraint multipliers in the theory of road network equilibrium*, pag. 107
- **Galligani E. - Ruggiero V. - Zanni L.** - *Splitting methods and parallel solution of constrained quadratic programs*, pag. 121
- **Giannessi F.** - *On connections among separation, penalization and regularization for Variational Inequalities with point-to set operators*, pag. 137
- **Larsson T. - Patriksson M.** - *Traffic management through link tolls – An approach utilizing side constrained traffic equilibrium models*, pag. 147
- **Marano S.A.** - *Fixed points of multivalued contractions*, pag. 171
- **Maugeri A.** - *Monotone and nonmonotone Variational Inequalities*, pag. 179
- **Maugeri A. - Oettli W. - Schlager D.** - *A flexible form of Wardrop's principle for traffic equilibria with side constraints*, pag. 185
- **Pappalardo M.** - *Stationarity in vector optimization*, pag. 195
- **Ricceri B.** - *Some problems concerning a general theorem on Variational Inequalities*, pag. 201
- **Uderzo A.** - *On a generalized differentiability of operators*, pag. 205

INDICE DEL NUMERO 49, 1997

- *Preface*, pag. 7
- *List of participants*, pag. 9
- **Fava F.** - *In Memoriam Franco Tricerri*, pag. 13
- **Blair D.E.** - *Geometry of complex contact manifolds*, pag. 25

- **Bourguignon J.P.** - *The Geometry of Killing spinors*, pag. 51
- **Casali M.R.** - *Geometric topology by crystallization theory: results and problems*, pag. 61
- **Cordero L. A. - Fernandez M. - Gray A. - Ugarte L.** - *Nilpotent complex structures on compact nilmanifolds*, pag. 83
- **Dragomir S.** - *A survey of pseudohermitian geometry*, pag. 101
- **Lichnerowicz A.** - *Extensions essentielles privilegies d'algebre de Lie classiques*, pag. 113
- **Matveev S.V.** - *On the recognition problem for Haken 3-manifolds*, pag. 131
- **Mercuri F.** - *Hypersurfaces of revolution: an intrinsic approach*, pag. 149
- **Pansu P.** - *Differentiability of volume growth*, pag. 159
- **Petronio C.** - *A combinatorial approach to 3-manifolds*, pag. 177
- **Piazza P.** - *Dirac operators, heat kernels and microlocal analysis. Part I: Family index theory*, pag. 187
- **Poenaru V.** - *Three lectures on higher-dimensional topological methods in three-dimensional topology*, pag. 203
- **Pontecorvo M.** - *Some relations between complex and quaternionic structures*, pag. 219
- **Ratto A.** - *Harmonic maps with potential*, pag. 229
- **Rigoli M. - Salvatori M. - Vignati M.** - *Geometry of graphs and manifolds*, pag. 243
- **Salvetti M.** - *Topology of Artin groups*, pag. 269
- **Vanhecke L.** - *Scalar curvature invariants and local homogeneity*, pag. 275

INDICE DEL NUMERO 50, 1997

- *List of participants*, pag. 9
- *Foreword*, pag. 13
- **Arca G. - Duma A.** - *"Large" convex bodies in a plane lattice*, pag. 15
- **Ayala G. - Montes F.** - *Random closed sets and random processes*, pag. 35

- **Barany I.** - *Approximation by random polytopes is almost optimal*, pag. 43
- **Borisov A.V.** - *Measurability with respect to the group of the general similitudes in the Galilean plane*, pag. 51
- **Boroczky K. Jr.** - *Lattice points in large bodies*, pag. 67
- **Bosetto E.** - *Geometric probabilities of Buffon type in the Euclidean space E_s* , pag. 77
- **Buchta C.** - **Reitzner M.** - *On a theorem of G. Herglotz about random polygons*, pag. 89
- **Coleman R.** - *Crossings of random secants*, pag. 103
- **Colesanti A.** - *Blaschke decomposable convex bodies*, pag. 109
- **Deheuvels P.** - *On random fractal*, pag. 111
- **Dulio P.** - *Iterations of a family of varieties*, pag. 133
- **Duma A.** - **Stoka M.** - *Problems of geometric probability for nonregular lattices (II)*, pag. 143
- **Duma A.** - **Stoka M.** - *Problems of geometric probability for nonregular lattices (III)*, pag. 153
- **Florian A.** - *Some recent results in discrete geometry*, pag. 159
- **Gialdini I.** - **Micheletti A.** - *Geometrical interpretation of the mean content of n -interfaces in a Johnson-Mehl tessellation of R^n* , pag. 173
- **Goodey P.** - *Applications of representation theory to convex bodies*, pag. 179
- **Gruber P.M.** - *Comparisons of best and random approximation of convex bodies by polytopes*, pag. 189
- **Hangan T.** - *On Cayley's formulas regarding in-and-circumscribed polygons*, pag. 217
- **Husler J.** - *Range of bivariate normal random vectors*, pag. 229
- **Mathai A.M.** - **Pederzoli G.** - *Random points with reference to a circle, revisited*, pag. 235
- **McMullen P.** - *Isometry covariant valuations on convex bodies*, pag. 259
- **Moszynska M.** - **Przeslawski K.** - *Santalò points associated with radial densities*, pag. 273
- **Pettineo M.** - *A Buffon type problem for triangular lattices*, pag. 289

- **Przeslawski K.** - *Integral representations of mixed volumes and mixed moment tensors*, pag. 299
- **Rasson J.P.** - *Convexity methods in classification and pattern recognition*, pag. 315
- **Remon M.** - *Utility of discriminant analysis in pattern recognition*, pag. 335
- **Santoro G.** - *Sulla misurabilità della famiglia dei sistemi formati da cono circolare e piano ortogonale all'asse in E^3* , pag. 349
- **Schneider Rolf** - *Intrinsic volumes in minkowski spaces*, pag. 355
- **Streit F.** - *Statistical tests for distinguishing renewal point processes from alternative stochastic models*, pag. 375
- **Weil W.** - *Mean bodies associated with random closed sets*, pag. 387
- **Wills J.M.** - *Parametric density, online-packings and crystal Growth*, pag. 413
- **Zamfirescu T.** - *Closed geodesic arcs in Aleksandrov spaces*, pag. 425

INDICE DEL NUMERO 51, 1998

- *Foreword*, pag. 7
- **Cossidente A. - Korchmaros G.** - *The algebraic envelope associated to a complete arc*, pag. 9
- **Fuhrmann R. - Torres F.** - *On Weierstrass points and optimal curves*, pag. 25
- **Hefez A. - Kakuta N.** - *Tangent envelopes of higher order duals of projective curves*, pag. 47
- **Cossidente A. - Storme L.** - *Caps on parabolic and hyperbolic quadrics*, pag. 57
- **Sziklai P. - Szonyi T.** - *Blocking sets and algebraic curves*, pag. 71
- **Ebert G. L.** - *Hermitian arcs*, pag. 87
- **Ballico E. - Giovanetti F. - Russo B.** - *On the projective geometry of strange plane curves invariant by a finite group*, pag. 107
- **Lunardon G.** - *An approach to semifield flocks*, pag. 115
- **Hirschfeld J.W.P.** - *Codes on curves and their geometry*, pag. 123
- **Bierbrauer J.** - *Authentication via algebraic-geometric codes*, pag. 139

INDICE DEL NUMERO 52, 1998

VOLUME I

- *Preface*, pag. IX
- *Programme of the Conference*, pag. XI
- *List of participants*, pag. XXI

PART I – INVITED LECTURES

- **Aptekarev A. - Kaliaguine V.** - *Complex rational approximation and difference operators*, pag. 3
- **Barbu V. - Favini A.** - *The analytic semigroup generated by a second order degenerate differential operator in $C[0,1]$* , pag. 23
- **Baur F. - Jarchow H.** - *On the trace dual of Gaussian summing operators*, pag. 43
- **Butzer P.L. - Jansche S.** - *The finite Mellin transform, Mellin-Fourier series, and the Mellin-Poisson summation formula*, pag. 55
- **Mastroianni G. - Totik V.** - *Jackson type inequalities for doubling and A_p weights*, pag. 83
- **Monegato G. - Scuderi L.** - *Approximation of non smooth solutions of linear integral equations on bounded intervals*, pag. 101
- **Schempp W.** - *Wavelet modelling of high resolution radar imaging and clinical magnetic resonance tomography*, pag. 125
- **Shaw S.Y.** - *Abstract ergodic theorems*, pag. 141
- **Taira K.** - *Feller semigroups with boundary conditions*, pag. 157

PART II – CONTRIBUTED PAPERS

- **Al-Jarrah A.M. - Malkowsky E.** - *BK spaces, bases and linear operators*, pag. 177
- **Amato U. - De Feis I.** - *Retrieving a function from Hermite-Fourier coefficients affected by noise*, pag. 193
- **Amato U. - Occorsio M.R. - Vuza D. T.** - *Fully adaptive wavelet regularization for smoothing data*, pag. 207
- **Babenko V.F. - Kofanov V.A. - Pichugov S.A.** - *Inequalities of Kolmogorov type and some their applications in approximation theory*, pag. 223

- **Bastin F. - Laubin P.** - *A walk in the theory of wavelets from $L^2(\mathbb{R})$ to $H(\mathbb{R})$* , pag. 239
- **Berscheid N. - Dierolf S.** - *Quasicomplete Bairelike spaces need not be Baire*, pag. 253
- **Bianchini W.** - *An extension of Mairhuber's theorem for subspaces of $C_0(X)$ with a unique continuous selection*, pag. 265
- **Bos L. - Della Vecchia B. - Mastroianni G.** - *On the asymptotics of Christoffel functions for centrally symmetric weight functions on the ball in \mathbb{R}^d* , pag. 277
- **Capobianco M.R. - Formica M.R.** - *A numerical method for a class of Volterra integral equations with logarithm perturbation kernel*, pag. 291
- **Carbone I.** - *Approximation properties of some sequences of positive linear operators on weighted function spaces*, pag. 305
- **Cioranescu I.** - *Riesz-Fisher type results for Besicovitch almost periodic functions*, pag. 337
- **Costabile F. - Gualtieri M.I. - Serra S.** - *An extrapolation technique for general exponential type operators*, pag. 345
- **Criscuolo G.** - *On the numerical evaluation of certain Hadamard finite-part integrals*, pag. 357
- **D'Antoni C. - Zsido' L.** - *Methods of functional analysis in problems of analytic extension*, pag. 373
- **Ehrich S.** - *On localised error bounds for orthogonal approximation from shift invariant spaces*, pag. 393

VOLUME II

- *Preface*, pag. IX
- *Programme of the Conference*, pag. XI
- *List of Participants*, pag. XXI

CONTRIBUTED PAPERS

- **Foulquie' Moreno A. - Marcellan F. - Peherstorfer F. - Steinbauer R.** - *Strong asymptotic on the support of the measure of orthogonality for polynomials orthogonal with respect to a discrete Sobolev inner product on the unit circle*, pag. 411
- **Frioui A. - Vassiliev R. K.** - *Construction des operateurs lineaires polynomiaux de classe S_2* , pag. 427
- **Gavrea I. - Gonska H.H. - Kacso D.P.** - *On linear operators with equidistant nodes: negative results*, pag. 445
- **Gavrea I. - Gonska H.H. - Kacso D.P.** - *On discretely defined positive linear polynomial operators giving optimal degrees of approximation*, pag. 455
- **Gessinger A.** - *Connections between the approximation and ergodic behaviour of cosine operators and semigroups*, pag. 475
- **Gianazza U. - Vespri V.** - *Analysis on the Heisenberg group: a survey*, pag. 491
- **Grobler J.J.** - *Positive solutions of linear equations*, pag. 513
- **Heckers E. - Knoop H.B. - Zhou X.** - *Approximation by convolution operators*, pag. 523
- **Ivan D.M.** - *An operator method in difference equations*, pag. 537
- **Junghanns P. - Luther U.** - *Uniform convergence of the quadrature method for Cauchy singular integral equations with weakly singular perturbation kernels*, pag. 551
- **Kocic Lj. M. - Simoncelli A.C.** - *Bezier curves via fractal algorithm*, pag. 567
- **Kuijlaars A.B.J. - Van Assche W.** - *A contact problem in elasticity related to weighted polynomials on the real line*, pag. 575
- **Mangino E.M.** - *Some remarks on semigroup theory in locally convex spaces*, pag. 589
- **Mastronardi N. - Occorsio D.** - *Product integration rules on the semiaxis*, pag. 605
- **Milovanovic G.V. - Rancic S. Lj.** - *Some improvements in calculation of the natural log of a square matrix*, pag. 619
- **Milovanovic G.V. - Spalevic M.M.** - *Construction of Chakalov-Popovicu's type quadrature formulae*, pag. 625
- **Narici L. - Beckenstein E.** - *The separating map: a survey*, pag. 637
- **Neumann M.M.** - *Banach algebras and local spectral theory*, pag. 649

- **Paltanea R.** - *On an optimal constant in approximation by Bernstein operators*, pag. 663
- **Paltineanu G. - Vuza D.T.** - *A generalisation of the Bishop approximation theorem for locally convex lattices of (AM)-type*, pag. 687
- **Pavel L.** - *Stationary hypergroups and amenability*, pag. 695
- **Petras K.** - *Quadrature error estimates involving moduli of continuity of derivatives*, pag. 707
- **Postolica V.** - *Best approximation in H-locally convex spaces*, pag. 723
- **Prolla J.B. - Chiacchio A.O. - Roversi M.S.M.** - *Extensions of a theorem of Ky Fan*, pag. 735
- **Rasa I. – Vladislav T.** - *Altomare projections and lipschitz constants*, pag. 749
- **Rohwer C. H.** - *On-sided quadratic spline approximation*, pag. 757
- **Schluchtermann G. - Schwingenschlogl F.** - *On noncommutative vector-valued integration*, pag. 765
- **Stancu D.D.** - *Representation of remainders in approximation formulae by some discrete type linear positive operators*, pag. 781
- **Stephani I.** - *Embedding maps of generalized Holder spaces-entropy and approximation*, pag. 793
- **Voicu M.** - *Dissipative and accretive operators on locally convex spaces*, pag. 805
- **Wisnicki A. - Wosko J.** - *On a generalization of the Lifschitz constant*, pag. 817

INDICE DEL NUMERO 53, 1998

- *Preface*, pag. 7
- **Aigner M.** - *Geometric representations of graphs and the 4-color theorem*, pag. 9
- **Benz W.** - *The translation equation in geometry*, pag. 15
- **Beutelspacher A.** - *What is a spread?*, pag. 23
- **Ebert G. L.** - *Partitioning problems and flag-transitive planes*, pag. 27
- **Fisher J. C.** - *Frobenius orbits*, pag. 45
- **Grundhofer T.** - *Flag-homogeneous generalized polygons*, pag. 55

- **Hirschfeld J.W.P.** - *Curves and configurations in finite spaces*, pag. 69
- **Jungnickel D. - Schmidt B.** - *Difference sets: a second update*, pag. 89
- **Karzel H.** - *Geometric reflection structures and their corresponding loops*, pag. 119
- **Ott U.** - *Local weight enumerators for binary self-dual codes*, pag. 131
- **Payne S.E. - Miller M.A.** - *Collineations and characterizations of generalized quadrangles of order $(q+1, q-1)$* , pag. 137
- **Penttila T.** - *Regular cyclic BLT-sets*, pag. 167
- **Schulz R.H.** - *Constant weight codes and divisible designs with large automorphism groups*, pag. 173
- **Strambach K.** - *Elliptic geometry of a group*, pag. 189
- **Szonyi T.** - *(k, n) -arcs in Galois-planes*, pag. 193
- **Thas J.A.** - *3-regularity in generalized quadrangles: a survey, recent results and the solution of a longstanding conjecture*, pag. 199
- **Rosenberg I.G.** - *An interface between algebra and combinatorics*, pag. 219

INDICE DEL NUMERO 54, 1998

- *List of participants*, pag. 7
- *Foreword*, pag. 11
- **Alekseevsky D.V.** - *Isotropy representation of flag manifolds*, pag. 13
- **Doupovec M. - Kurek J.** - *Liftings of 1-forms to some non product preserving bundles*, pag. 25
- **Fecko M.** - *Space-time decompositions via differential forms*, pag. 33
- **Fischer G.** - *Differential Geometry over the Structure Sheaf: A Way to Quantum Physics*, pag. 45
- **Holubowicz R. - Mozgawa W.** - *On compact non-Kahlerian manifolds admitting an almost Kahler structure*, pag. 53
- **Horanska L.** - *On sectioning multiples of the nontrivial line bundle over Grassmannians*, pag. 59
- **Kures M.** - *Torsions of connections on tangent bundles of higher order*, pag. 65

- **Mikes J. - Nemcikova J. - Pokorna O.** - *On the theory of the 4-quasiplanar mappings of almost quaternionic spaces*, pag. 75
- **Markl M. - Stasheff J. D.** - *On the compactification of configuration spaces*, pag. 83
- **Rybicki T.** - *On the flux homomorphism for regular Poisson manifolds*, pag. 91
- **Strasburger A.** - *Weyl algebra and a realization of the unitary symmetry*, pag. 101
- **Tomas J.** - *Natural operators on vector fields on the cotangent bundles of the bundles of (k, r) -velocities*, pag. 113

INDICE DEL NUMERO 55, 1998

- *Presentazione*, pag. 7
- **Kleiman S.L.** - *Bertini and his two fundamental theorems*, pag. 9
- **Sernesi E.** - *De Franchis' contributions to the theory of algebraic curves*, pag. 39
- **Ciliberto C.** - *M. De Franchis and the theory of hyperelliptic surfaces*, pag. 45
- **Bottazzini U. - Conte A. - Gario P.** - *La relazione di Castelnuovo ed Enriques. Documenti inediti per il premio reale di matematica del 1901*, pag. 75

INDICE DEL NUMERO 56, 1998

- *Introduzione*, pag. 7
- *Preface*, pag. 9
- *Main lectures*, pag. 11
- *Research talks*, pag. 13
- **Neumann M.M.** - *On local spectral properties of operators on Banach spaces*, pag. 15
- **Shapiro J.H.** - *Simple Connectivity and linear chaos*, pag. 27
- **Laursen K.B.** - *It takes two, but sometimes one will do: Decomposability VS. $(-)$ and $(/)$* , pag. 49
- **Kalton N. J.** - *Characteristic determinants and traces*, pag. 59

- **Harte R.** - *Unspectral sets*, pag. 69
- **Altomare F. - Rasa I.** - *On a class of differential operators associated with positive projections*, pag. 79
- **Jarchow H.** - *Compactness properties of composition operators*, pag. 91
- **Nagel R. - Piazzera S.** - *On the regularity properties of perturbed semigroups*, pag. 99
- **Kursten K.D.** - *On algebraic properties of partial algebras*, pag. 111
- **Heuser H.** - *On generalized Fredholm operators*, pag. 123
- **Gonzalez M. - Martinez - Abejon A.** - *Tauberian operators on $L_1(7)$ and ultrapowers*, pag. 129
- **Badea G. - Mbekhta M.** - *On existence of one-sided and generalized resolvents of bounded linear operators*, pag. 139
- **Aiena P. - Tupacyupanqui D.** - *Some open problems relative to two classes of operators*, pag. 149
- **Lanza De Cristoforis M.** - *Differentiability properties of a composition operator*, pag. 157
- **Montes-Rodriguez A.** - *The Pick-Schwarz lemma and composition operators on Bloch spaces*, pag. 167
- **Acosta M.D. - Ruiz Galan M.** - *Norm attaining operators and reflexivity*, pag. 171
- **Panchapagesan T.V.** - *Spatial isomorphism of abelian von Neumann algebras and the spectral multiplicity theory of Halmos*, pag. 179
- **Averna D.** - *Mixed existence theorems for first and second order differential inclusions*, pag. 191
- **Trapani C.** - *Some results on CQ*-algebras of operators*, pag. 199
- **Bhatt S. J. - Inoue A. - Ogi H.** - *On C*-spectral algebras*, pag. 207
- **Saxe K.** - *Riesz operators and complex interpolation*, pag. 215
- **Engel K. J.** - *Matrix representation of linear operators on product spaces*, pag. 219

INDICE DEL NUMERO 57, 1998

- *List of Participants*, pag. 8
- *Preface*, pag. 15
- **Anile A.M. - Liotta S.F.** - *Hydrodynamics in Electron Devices*, pag. 17
- **Au J.D.**, *Flames in Extended Thermodynamics*, pag. 27
- **Bakholdin I. - Il'Ichev A.** - *Solitary wave instability in a cold plasma*, pag. 33
- **Belleni-Morante A. - Barletti L.** - *Photon transport in an interstellar cloud*, pag. 39
- **Bianco F. - Puppo G. - Russo G.** - *High order central schemes for hyperbolic systems of conservation laws*, pag. 47
- **Blokhin A.M. - Trakhinin Y.L.** - *Some Aspects of the Mathematical Theory of Strong Discontinuities in Continuum Mechanics*, pag. 51
- **Bofill F. - Quintanilla R.** - *Thermal Influence on the Decay of End Effects in Linear Elasticity*, pag. 57
- **Boillat G. - Muracchini A.** - *On Ultrahyperbolic Systems*, pag. 63
- **Bressan A.** - *Uniqueness and Stability of Weak Solutions to Systems of Conservation Laws*, pag. 69
- **Bruno A. - Capitelli M. - Longo S.** - *State-to-State Vibrational Kinetics under Non-equilibrium Conditions by Direct Monte Carlo modelling*, pag. 79
- **Buonomo A. - Di Liddo A.** - *A Lyapunov Stability Result for a Diffusive Model of Biological Interactions*, pag. 85
- **Capone F. - Gentile M.** - *On the Influence of the Forchheimer Term in Convective Instabilities in Porous Media for Fluids with Temperature Depending Viscosity*, pag. 91
- **Capone F. - Gentile M.** - *Stability Analysis for the Rotating Benard Problem in a Porous Medium*, pag. 97
- **Carbonaro P. - Giambo S.** - *Invariance Properties of the Liang Equation*, pag. 105
- **Carlen E.A.** - *Kinetic theory methods and the stability of fronts for certain non-local phase kinetics equations*, pag. 111
- **Cercignani A.** - *A First Approach to Solutions for the Steady Nonlinear Boltzmann Equation*, pag. 121

- **Cevasco S. - Monaco R.** - *A Discrete Velocity Model of the Enskog Equation: Numerical Simulations of Travelling Waves in 2D*, pag. 133
- **Choquet.Bruhat Y.** - *Global Existence of Wave Maps*, pag. 143
- **Cimmelli V.A. - Frischmuth K.** - *First and second sound in thermoelastic solids*, pag. 153
- **Colonna G.** - *Step Adaptive Method for Vibrational Kinetics and Other Initial Value Problems*, pag. 159
- **Conte R.** - *Exact solutions of nonlinear wave equations by singularity methods*, pag.165
- **Cornille H.** - *DVMs with Arbitrary Number of Velocities and Two Continuous Theory Relations*, pag. 177
- **Crisiani F. - Purini R.** - *Stable inertial planar flows not satisfying Arnold-Blumen's criterion*, pag. 183
- **Curro C. - Donato A.** - *The Monge- Ampere Equation and its Connection with Systems of Hydrodynamic Type*, pag. 187
- **D'Acunto A. - De Angelis M. - Renno P.** - *Estimates for the perturbed Sine-Gordon equation*, pag. 199
- **D'Ambrogio E.G.**, *Comparison of two Klein-Kramers equations for a relaxation problem*, pag. 205
- **Demeio L. - Frosali G.** - *Approximate solutions of kinetic equations in runaway regime: Laplace transform analysis*, pag. 211
- **Dolfin M. - Francaviglia M. - Rogolino P.** - *On the geometric structures of thermodynamic spaces*, pag. 217
- **Erriquenz A. - Mauro V.** - *On the Hagen flows and their stability in anisotropic MHD*, pag. 223
- **Fergola P. - Tenneriello C. Wang W.D.** - *Dynamics of Populations in Polluted Chemostat*, pag. 229
- **Falvin J.N. - Rionero S.** - *Some Remarks on Nonlinear Diffusion and Nonlinear Stability*, pag. 235
- **Gabetta E. - Vicario P.** - *Kinetic models of hydrodynamics behaviour: numerical applications*, pag. 247

- **Greco A. - Seta L.** - *Interacting gravitational and magnetofluid waves with back-reaction*, pag. 257
- **Hanyga A.** - *High frequency asymptotic solutions of Biot's equations*, pag. 267
- **Jeffrey A.** - *Structural Symmetry of Solutions of Nonlinear Systems*, pag. 273
- **Knops R.J.** - *Asymptotic Behaviour n the Incompressible Elastic Half-strip*, pag. 287
- **Lattanzio C. - Marcati P.** - *Diffusive Profile for the 2-D Nonlinear Damped Wave Equation*, pag. 293
- **Maiellaro M.** - *On the nonlinear stability f the anisotropic M. H. D. Couette-Poiseuille flows*, pag. 303
- **Manganaro N.** - *Exact Solutions to a Hyperbolic Nerve Fiber Model*, pag. 309
- **Marcati P. - Rubino B.** - *Hyperbolic to Parabolic Relaxation for Quasilinear First Order Systems in Several Space Dimensions*, pag. 315
- **Mongiovi M.S.**, *The Propagation of Fourth Sound in the Extended Monofluid Theory of Liquid Helium II*, pag. 321
- **Mongiovi M.S. - Romeo S.** - *Nonlinear Extended Thermodynamics of Superfluids in the Absence of Viscosity*, pag. 327
- **Montanaro A.** - *Singular surfaces in isotropic incremental thermoelasticity*, pag. 333
- **Muller I.** - *Shape Memory Alloys – Entropic Stabilization and Rate Laws*, pag. 337
- **Mulone G.** - *On the Nonlinear Stability of the Benard Problem for a Mixture: Conditional and Unconditional Stability*, pag. 347
- **Muscato O.** - *A critical approach with Monte Carlo verification to Maximum Entropy schemes for charge transport in semiconductors*, pag. 357
- **Oliveri F. - Speciale M.P.** - *On Substitution Principles for Systems of Balance Laws: the Equations of Monoatomic Gases*, pag. 363
- **Pandolfi Bianchi M. - Soares A.J.** - *On the Stability of the Steady Detonation*, pag. 369
- **Pareschi L.** - *Characteristic-based numerical schemes for hyperbolic systems with nonlinear relaxation*, pag. 375
- **Parker D.F. - Hunter J.K.** - *Scale Invariant Elastic Surface Waves*, pag. 381
- **Pastrone F. - Tonon M.L.** - *Nonlinear waves in approximately constrained bodies*, pag. 393

- **Pitter M. - Zanzotto G.** - *The arithmetic symmetry of multilattices*, pag. 399
- **Pulvirenti A. - Toscani G.** - *On the grazing collision limit for the spatially homogeneous Boltzmann equation*, pag. 405
- **Restuccia L. - Maruszewski B.** - *Magnetoelastic Surface Waves in Superconductors*, pag. 413
- **Rionero S.** - *On the Magnetic Benard Problem*, pag. 419
- **Rionero S. - Torricollo I.** - *Estimates for the Thickness and Temperature of a Vertical Sheet of Cold Ice, given Data on only two Points of the Upper Boundary*, pag. 427
- **Romano V. - Russo G.** - *Hyperbolic condition for the hydrodynamical model of charge transport in semiconductor based on Extended Thermodynamics*, pag. 433
- **Rossani A. - Spiga G.** - *On a Dynamical System Arising from the Kinetic Theory of Atoms and Photons*, pag. 439
- **Russo G.** - *On the impulse formulation of the Euler Equations*, pag. 447
- **Simonov I.V.** - *Estimates for Waves Radiated by High-Energy Impact*, pag. 453
- **Speciale M.P. - Oliveri F.** - *Exact Solutions to the Equations of Perfect Gases and Substitution Principles*, pag. 459
- **Miklavic M. - Spiga G.** - *Stability of Maxwellian states for two velocity models of the extended Boltzmann equation*, pag. 465
- **Struchtrup H.** - *The BGK-model with velocity-dependent collision frequency*, pag. 471
- **Strumia A.** - *Vector Fields with Vanishing Energy-momentum Tensor*, pag. 477
- **Tebaldi C. - Ottaviani M.** - *Bifurcated equilibria in two-dimensional MHD*, pag. 485
- **Yakubenko P.A. - Shugai G.A.** - *Local and global instabilities in jets*, pag.497
- **Weiss W.** - *On the Radiative and Material Entropy Production*, pag. 501

INDICE DEL NUMERO 58, 1999

- *Preface*, pag. 7
- **Bellavia S.** - *Interior Point methods for MCP*, pag. 9

- **Benner P.** - *Computational methods for linear-quadratic optimization*, pag. 21
- **Bertaja M.** - *A regularization method for designing the motion law of a cam-follower system*, pag. 57
- **Bodon E. - Nicolai S.** - *Application of ABS methods to KT equations*, pag. 67
- **D’Apuzzo M. - Iusem A.N. - Maddalena M.R.** - *Row-action algorithms for large and sparse convex programming problems*, pag. 81
- **Daniele P.** - *Lagrangean function for dynamic variational inequalities*, pag. 101
- **De Leone R. - Lazzari C.** - *Measuring efficiency using data envelopment analysis*, pag. 121
- **Durazzi C.** - *Numerical solution of discrete quadratic optimal control problems by Hestenes’ method*, pag. 133
- **Galligani E.** - *Parallel solution of large Sylvester equations*, pag. 155
- **Loli Piccolomini E. - Zama F.** - *Regularization methods for the solution of inverse problems: theory and computational aspects*, pag. 173
- **Mastroeni G.** - *Minimax and extremum problems associated to a variational inequality*, pag. 185
- **Maugeri A.** - *Time dependent generalized equilibrium problems*, pag. 197
- **Morini B.** - *On the choice of forcing terms in modified inexact methods*, pag. 205
- **Ruggiero V. - Zanni L.** - *On a class of iterative methods for large-scale convex quadratic programs*, pag. 213
- **Zanghirati G.** - *Parallel computational experience and dynamic scaling for a class of nonlinear systems*, pag. 229
- **Zilli G. - Bergamaschi L.** - *Parallel Newton methods for sparse systems of nonlinear equations*, pag. 247

INDICE DEL NUMERO 59, 1999

- *List of Participants*, pag. 7
- *Foreword*, pag. 11
- **D’Ambra G.** - *Isometric immersions and induced geometric structures*, pag. 13

- **Gover A.R.** - *Aspects of parabolic invariant theory*, pag. 25
- **Vogt R.M.** - *Introduction to algebra over "Brave new Rings"*, pag. 49
- **Bacso S.** - *On geodesic mappings of special Finsler spaces*, pag. 83
- **Balcerzak B.** - *Classification of endomorphisms of some Lie algebroids up to homotopy and the fundamental Group of a Lie algebroid*, pag. 89
- **Berezovskij V. - Mikes J.** - *On almost geodesic mappings of the type...of riemannian spaces preserving a system N-orthogonal hypersurfaces*, pag. 103
- **Bures Soucek V.** - *Eigenvalues of conformally invariant operators on spheres*, pag. 109
- **Cabras A. - Kolar I.** - *On the second order absolute differentiation*, pag. 123
- **Fischer G.** - *A representation of the coalgebra of derivations for smooth spaces*, pag. 135
- **Gollek H.** - *Deformations of minimal surfaces of R containing planar geodesics*, pag. 143
- **Harris A.** - *Hartogs phenomena for hermitian vector bundles*, pag. 155
- **Markl M.** - *Cyclic operads and homology of graph complexes*, pag. 161
- **Schmalz G.** - *Remarks on CR-manifolds of codimension 2 in C*, pag. 171
- **Tomas J.** - *Natural operators transforming projectable vector fields to product preserving bundles*, pag. 181
- **Tomasz U.** - *Integration of a density and the fiber integral for regular Lie algebroids in a nonorientable Case*, pag. 189
- **Vanzura J.** - *The cohomology of G integer coefficients*, pag. 201
- **Vanzurova A.** - *Sabinin's method for classification of local Bol loops*, pag. 209
- **Vincze CS.** - *On C-conformal changes of Riemann-Finsler metrics*, pag. 221

INDICE DEL NUMERO 61, 1999

- *Editor's introduction*, pag. 7
- **Patterson S.J.** - *Abel's theorem*, pag. 9
- **Samelson H.** - *Kronecker and topology*, pag. 49

- **Fenster D.D.** - *The developement of the concept of an algebra: Leonard Eugene Dickson's Role*, pag. 59
- **Piazza P.** - *Egor Ivanovik Zolotarev and the theory of ideal numbers for algebraic number fields*, pag. 123

INDICE DEL NUMERO 62, 2000

- *Introduction*, pag. 8
- *Higher-Dimensional thickenings and Their Visualizations*, pag. 21
- *Cross-Sections*, pag. 45
- *The Operation of Slackening the Topology*, pag. 53
- *Where the Thickenings are Used for Slackening the Topology of $M_h^3 \times B^{n^*}$ Proof of Theorem C: Construction of partial sections*, pag. 106
- *The end of the proof of the group-theoretic finiteness theorem*, pag. 130
- *Bibliography*, pag. 134

INDICE DEL NUMERO 63, 2000

- *Foreword*, pag. 7
- *List of Participants*, pag. 9
- **Bar-Natan D.** - *From astrology to topology via Feynman diagrams and Lie algebras*, pag. 11
- **Eastwood M.** - *Impossible Einstein-Weyl geometries*, pag. 17
- **Eastwood M.** - *A complex from linear elasticity*, pag. 23
- **Graham C. R.** - *Volume and area renormalizations for conformally compact Einstein metrics*, pag. 31
- **Arvanitoyeorgos A.** - **Beneki C.** - *Jacobi vector fields and geodesic tubes in certain Kahler manifolds*, pag. 43
- **Bajguz W.** - *Disconnections of plane continua*, pag. 53

- **Baleanu D.** - *About duality and Killing tensors*, pag. 57
- **Buchholz V.** - *Spinor equations in Weyl geometry*, pag. 63
- **Burdik C.** - **Navrátil O.** - *New Boson realizations of quantum groups $U_q(A_n)$* , pag. 75
- **Eastwood M.G.** - **Michor P.W.** - *Some remarks on the Plücker relations*, pag. 85
- **Haller S.** - **Rybicki T.** - *Integrability of the Poisson algebra on a locally conformal symplectic manifold*, pag. 89
- **Kolàr I.** - **Mikulski W.M.** - *Natural lifting of connections to vertical bundles*, pag. 97
- **Kolàr M.** - *Peak functions on convex domains*, pag. 103
- **Klapka L.** - *Lagrange functions generating Poisson manifolds of geodesic arcs*, pag. 113
- **Krupka M.** - *Natural operators on frame bundles*, pag. 121
- **Kures M.** - *On the simplicial structure of some Weil bundles*, pag. 131
- **Kwasniewski A.K.** - *On deformations of finite operator calculus of Rota*, pag. 141
- **Lafuente J.** - **Salvador B.** - *From the Fermi-Walker to the cartan connection*, pag. 149
- **Markl M.** - *Homotopy algebras via resolutions of operads*, pag. 157
- **Michor P.W.** - **Vaisman I.** - *A note on n -ary Poisson brackets*, pag. 165
- **Mikes J.** - **Laitochová J.** - **Pokornà O.** - *On Some relations between curvature and metric tensors in Riemannian spaces*, pag. 173
- **Ortacgil E.** - *G -connections as twisted formal solutions of systems of PDE's related to geometric structures*, pag. 177
- **Tomàs J.** - *On quasijet bundles*, pag. 187

INDICE DEL NUMERO 64, 2000

- *Preface*, pag. 7
- *Introduction*, pag. 9

ALGEBRA

- **Carboni A. - Pedicchio M.C.** - *A new proof of the Mal'cev theorem*, pag. 13
- **Garavelli S. - Lunelli M. - G. Meloni** - *BKB- completion of commutative semirings, distributive lattices, monoids, etc*, pag. 17
- **Meloni G. - Munarini E.** - *Purely algebraic theories for elementary operational calculus and generalized functions*, pag. 29
- **Schanuel S. H.** - *Transcendence in objective number theory*, pag. 43

GEOMETRY

- **Betti R.** - *On categorical Frobenius reciprocity*, pag. 51
- **Kock A.** - *The osculating plane of a space curve - synthetic formulations*, pag. 67
- **Stramaccia L.** - *Closure operators and categorical unions*, pag. 81

COMPUTER SCIENCE

- **Kasangian S. - Kelly G. M. - Vighi V.** - *A bicategorical approach to information flow and security*, pag. 99
- **Katis P. - Sabadini N. - Walters R. F. C.** - *On the algebra of feedback and systems with boundary*, pag. 123
- **Rosolini G.** - *Equilogical spaces and filter spaces*, pag. 157

HISTORY OF MATHEMATICS

- **Alesina A. - Galuzzi M.** - *Vincent's theorem from a modern point of view*, pag. 179
- **Labella A.** - *Algorithmic and geometric thinking: the example of Campanus*, pag. 193
- **Lawvere F. W.** - *Volterra's functionals and covariant cohesion of space*, pag. 201

PHILOSOPHY OF MATHEMATICS

- **Berni Canani U.** - *Categories as a common cultural patrimony*, pag. 217
- **Peruzzi A.** - *Anterior future*, pag. 227

INDICE DEL NUMERO 65, 2000

- *List of participants, pag. 9*

INDICE DEL NUMERO 66, 2001 - The proceedings of the 20th Winter School "Geometry and Physics", Srní – January 15-22, 2000

- *Foreword, pag. 7*
- *List of Partecipants, pag. 9*
- **Ausoni Ch.** - *An introduction to algebraic K-theory, pag. 11*
- **Markal M. - S. Shnider** - *Coherence constraints for operads, categories and algebras, pag. 29*
- **Schwachhofer L. J.** - *Irreducible holonomy representations, pag. 59*
- **Bajguz** - *On embedding curves in surfaces, pag. 83*
- **Belohlavkova J. - Mikes J. - Pokorna O.** - *On 4-planar mapping of special almost antiquaternionic spaces, pag. 97*
- **Domitrz W.** - *On local stability of differential $(n-1)$ – forms on an n -manifold with boundary, pag. 105*
- **Janyska J.** - *A remark on natural quantum Lagrangians and natural generalized Schrodinger operators in Galilei quantum mechanics, pag. 117*
- **Klapka L.** - *Integrals and variational multipliers of second-order ordinary differential equations, pag. 129*
- **Krupkova O. - D. Smetanova** - *On regularization of variational problems in first-order field theory, pag. 133*
- **Kwasniewski A. K.** - *On Recurrences on the streams, pag. 141*
- **Palese M. - Vitolo R.** - *On a class of polynimial Lagrangians, pag. 147*
- **Salvatore P.** - *Homotopy type of Euclidean configuration spaces, pag. 161*
- **Shen Z.** - *Geometry meaning of curvatures in Finsler geometry, pag. 165*
- **Somberg P.** - *Twistor operators on conformally flat spaces, pag. 179*
- **Vizman C.** - *Geodesics and curvature of semidirect product groups, pag. 199*
- **Zajaic M.** - *On singularities of almost periodic functions, pag. 207*

- **Znojil M.** – *Eight exactly solvable complex potentials in Bender-Boettcher quantum mechanics*, pag. 213

INDICE DEL NUMERO 67, 2001

- *Presentazione*, pag. IX
- **Barlotti A. - Bartolozzi F. - Zappa G.** - *L'Attività scientifica di Giovan Battista Guccia*, pag. XI

Pubblicazioni di Giovanni Battista Guccia:

- *Su una classe di superfici, rappresentabili, punto per punto, su un piano*, pag. 1
- *Formol analitiche per la trasformazione Cremoniana: $(n \text{ bet}), \nu_1 = 3, \nu_2 = n-2, \nu_n = 1$* , pag. 11
- *Formol analitiche per la trasformazione Cremoniana: $(n \text{ multiplo di } 3), \nu_1 = 4, \nu_2 = 1, \nu_3 = (2n/3)-2, \nu_{n-3} = 1$* , pag. 14
- *Formole analitiche per la trasformazione Cremoniana: $n \equiv 1 \pmod{3}, \nu_1 = 2, \nu_2 = 3, \nu_3 = (2n-8)/3, \nu_{n-3} = 1$* , pag. 18
- *Estensione di un teorema sulla tactinvariante della curva algebrica*, pag. 20
- *Su alcune formule del Sig. Picchetto*, pag. 21
- *Sulle trasformazioni geometriche del piano birazionale*, pag. 22
- *Sulle trasformazioni cremonesi nel piano*, pag. 24
- *Formol analitiche per la trasformazione Cremoniana: $(n \text{ missing}), \nu_1 = 3, \nu_2 = n-2, \nu_n = 1$* , pag. 28
- *Trasformazioni Cremoniane nel piano*, pag. 32
- *Restituzione di priorità*, pag. 34
- *Teoremi sulle trasformazioni Cremoniane nel piano. Estensione di alcuni teoremi di Hirst sulle trasformazioni quadriche*, pag. 35
- *Su una questione relativa ai punti singolari delle curve algebriche piane*, pag. 49
- *Generalizzazione di un teorema di Nöther*, pag. 51
- *Sulle superfici algebriche le cui sezioni piane sono unicursali*, pag. 69

- *Sulla riduzione dei sistemi lineari di curve ellittiche e sopra un teorema generale delle curve algebriche di genere p , pag. 73*
- *Sui sistemi lineari di superficie algebriche dotati di singolarità base qualunque, pag. 94*
- *Osservazioni sopra una comunicazione del dott. Segrè, pag. 106*
- *Due sistemi lineari di ordine minimo di genere $p = 2$, pag.108*
- *Teorema sui punti singolari delle superfici algebriche, pag. 109*
- *Un teorema sulle curve singolari delle superfici algebriche, pag. 111*
- *Sull'intersezione di due curve algebriche in un punto singolare, pag. 112*
- *Teorema generale delle curve algebriche piane, pag. 115*
- *Sulla classe e sul numero dei flessi di una curva algebrica dotata di singolarità qualunque, pag. 117*
- *Su una proprietà delle superfici algebriche dotate di singolarità qualunque, pag. 125*
- *Sulla intersezione di tre superfici algebriche in un punto singolare e su una questione relativa alle trasformazioni razionali nello spazio, pag. 130*
- *Nuovi teoremi sulle superfici algebriche dotate di singolarità qualunque, pag. 136*
- *Sopra un recente lavoro riguarda la riduzione dei sistemi di curve algebriche piane, pag. 144*
- *Sulle singolarità composte delle curve algebriche piane, pag. 146*
- *Su un esempio addotto dal Sig. Castelnuovo, p. 165*
- *Due proposizioni relative alle involuzioni di specie qualunque, dotate di singolarità ordinarie, pag. 166*
- *Ricerche sui sistemi lineari di curve algebriche piane, dotate di singolarità ordinarie, (Memoria I), pag. 178*
- *Una definizione sintetica delle curve polari, pag. 241*
- *Sulle involuzioni di specie qualunque siano dotate di singolarità ordinarie, pag. 251*
- *Ricerche sui sistemi lineari di curve algebriche piane, dotate di singolarità ordinarie (Memoria II), pag. 272*
- *Su una questione relativa ai punti singolari delle curve sinistre algebriche, pag. 336*
- *Sui punti doppi di un fascio di superfici algebriche, pag. 340*
- *Su un'espressione del genere delle curve algebriche dotate di singolarità arbitrarie, pag. 343*

- *Sui vincoli esistenti fra i punti di contatto delle tangenti condotte da un punto ad curve algebriche piane*, pag. 345
- *Sulle curve algebriche piane*, pag. 346
- *Sulle superfici algebriche*, pag. 351
- *Un teorema sulle curve algebriche piane di ordine n* , pag. 359
- *Un teorema sulle superfici algebriche di ordine n* , pag. 362
- *Sopra una nuova espressione dell'ordine e della classe di una curva gobba algebrica*, pag. 366

INDICE DEL NUMERO 68, 2002 - Proceedings of the Fourth International Conference on Functional Analysis and Approximation Theory Acquafredda di Maratea (Potenza- Italy), september 22-28, 2002 Part I

- *Preface*, pag. 9
- *Programme of the Conference*, pag. 11
- *List of participants*, pag. 23

PART I – INVITED LECTURES

- **Aiena P. - Gonzales M.** - *Inessential operators between Banach spaces*, pag. 3
- **Berens H. - zu Castell W.** - *Summability of the l -1 Cesaro means of an integral transformation connected to a Riesz potential*, pag. 27
- **Franchetti C. - Semenov E.** - *The Jung and the self-Jung constant*, pag. 35
- **Lubinsky D. S.** - *Some polynomial problems arising from Pade approximation*, pag. 49
- **Milovanovic G.V.** - *Orthogonal polynomials on the radial rays in the complex plane and applications*, pag. 65
- **Monegato G. - Scuderi L.** - *Weighted sobolev-type spaces and numerical methods for 1Dintegral equations*, pag. 95
- **Neumann M.M.** - *Recent developements in llocal spectral theory*, pag. 111
- **Rasa I.** - *Feller semigroups, elliptic operators and Altomare projections*, pag. 133

- **Silbermann B.** - *Limit operators in Operators Theory and asymptotic spectral theory*, pag. 157
- **Totik V.** - *Sets with minimal order Markoff factors*, pag. 169
- **Vertesi P.** - *On classical (unweighted) and weighted interpolation*, pag. 185

PART II – CONTRIBUTED PAPERS

- **Abel U. - Ivan M.** - *A Kantorovich variant of the Bleimann, Butzer and Hahn operators*, pag. 205
- **Aceto L. - Trigiante D.** - *The Pascal matrix and classical polynomials*, pag. 219
- **Artigiani O.** - *On some new operators of discrete type*, pag. 229
- **Almira J.M. - del Toro N.** - *Some remarks on negative results in Approximation Theory*, pag. 245
- **Arango G. - Lopez Molina J. A. - Rivera M. J.** - *Properties of the $(T, =)$ – nuclear and $(T, =)$ - integral operators* pag. 257
- **Binz E. - Sschempp W.** – *Digital information technology: the Lie groups defining the filter banks of the compact disc*, pag. 269
- **Buongiorno D.** - *Rademacher theorem in separable Frechet spaces*, pag. 293
- **Bos L. - De Marchi S.** - *On the limit under scaling of polynomials Lagrange interpolation on analytic manifolds*, pag. 303
- **Brown A. L.** - *On the problem of characterizing suns in finite dimensional spaces*, pag. 315
- **De la Cal Carcamo J.** - *On the boundedness Bernstein-type operators for I -variation norms*, pag. 329
- **Capobianco M.R. - Criscuolo G. - Volpe A.** - *Numerical analysis of the collocation method for some integral equations with logarithmic perturbation kernel*, pag. 339
- **Critescu R.** - *Linear operators and vector and vector integrals in spaces in spaces with vector norm*, pag. 351
- **D’Ambrosio L. - Mangino E.M.** - *Some remarks on a general construction of approximation processes*, pag. 359
- **Danet N.** - *The spaces of regular operators with the Riesz decomposition property*, pag. 373

- **Danet R.M. - Wong N.C.** - *Extension theorems without ddekind completeness*, pag. 381
- **Della Vecchia B. - Mastroianni G. - Vertesi P.** - *Uniform convergence of Hermite-Fejer interpolation based on generalized Jacobi weights*, pag. 389
- **Delovs F.J.** - *Mean square approximation in multivariate periodic Hilbert spaces*, pag. 407
- **Fidaleo F.** - *Operator ideals and the split property for inclusions of von Neumann algebras*, pag. 417
- **Galeev E.** - *The embedding of the intersections of infinite dimensional spaces*, pag. 429
- **Gavrea I.** - *Estimates for positive linear operators in terms of the second order Ditzian-Totik modulus of smoothness*, pag. 439
- **Gilewicz J. - Pindor M.** - *Optimal inequalities between the contiguous twopoint pde approximation errors in the Stieljes case*, pag. 455

INDICE DEL NUMERO 68 bis, 2002 - Proceedings of the Fourth International Conference on Functional Analysis and Approximation Theory Acquafredda di Maratea (Potenza- Italy), september 22-28, 2002 Part II

- *Preface*, pag. 9
- *Programme of the Conference*, pag. 11
- *List of Participants*, pag. 23

CONTRIBUTED PAERS (CONTINUED FROM VOLUME I)

- **Gonska H.H. - Tachev G.T.** - *On thr constants in $C I_2$ – inequalities*, pag. 467
- **Gonzales M. - Gutierrez J.M.** - *Tensor products and dual spaces with the Dunford-Pettis property*, pag. 479
- **Horvath A.** - *Characterization of Fourier series with $(C, 1)$ means*, pag. 491
- **Jefferies B. - Piskarev S.** - *Tauberian theorems for semigroups*, pag. 513
- **Kacso D.P.** - *Simultaneous approximation by almost convex operators*, pag. 523

- **Khan M.K.** - *Approximation at discontinuity*, pag. 539
- **Knoop H.B. - Zhou X.** - *On the Jackson operators*, pag. 555
- **Kocic L.M. - Simoncelli A.C.** - *About affine invariance of fractal interpolants*, pag. 569
- **Lanza de Cristoforis M.** - *A results of holomorphic dependence for the eigenfunctions of a composition operator*, pag. 585
- **Lewanovicz S.** - *Representations for the parameter derivatives of the classical orthogonal polynomials*, pag. 599
- **Lopez-Moreno A.J. - Martinez-Moreno J. - Munoz-Delgado F.J.** - *Asymptotic expression of derivatives of Bernstein type operators*, pag. 615
- **Mache D.H.** - *Generalized methods using integral transforms and convolution structures with Jacobi orthogonal polynomials*, pag. 625
- **Malkowsky E.** - *Linear operators between some matrix domains*, pag. 641
- **Mangino E.M.** - *A positive approximation sequence related to Back and Scholes equation*, pag. 657
- **Mashele H.P.** - *The Mhaskar-Prestin operators for general exponential weight*, pag. 671
- **Mastroianni G. - Occorsio D.** - *Lagrange interpolation based at sonin – Markov zeros*, pag. 683
- **Niculescu C.P. - Platineanu G. Vuza D.T.** - *A generalization of the a theorem of Bernard concerning the frontal sets*, pag. 699
- **Nishishiraho T.** - *Refinements of the Korovkin-type approximation processes*, pag. 711
- **Paltanea R.** – *Estimates with second order moduli*, pag. 727
- **Pedersen H.L.** - *On estimation of polynomials in terms of logarithmic sums over powers of integers*, pag. 739
- **Pempera R.** - *On the pointwise summability of Fourier series by the Cesaro and Abel-Poisson means*, pag. 749
- **Postolica V.** - *On the best approximation of set functions*, pag. 761
- **Rohwer C.H.** - *Fast approximation with locally monotone sequences*, pag. 777
- **Serra Capizzano S.** - *Test function, growth conditions and Toeplitz matrices*, pag. 791

- **Sharma A. - Szabados J.** - *A multivariate extension of walsh's overconvergence theorem*, pag. 797
- **Shaw S.Y. - Li Y.C.** - *On solvability of $Ax=Y$, approximate solutions, and uniform ergodicity*, pag. 805
- **Shibata Y. - Shimizu S.** - *On the L_p and schauder estimates of the solutions to elastostatic interface problems*, pag. 821
- **Simkani M.** - *Sufficient conditions for propagation of convergence*, pag. 837
- **Stancu D.D. - Simoncelli A.C.** - *Compound poweroid operators of approximation*, pag. 845
- **Trapani C.** - *Sesquilinear forms on certain Banach C^* -modules*, pag. 855
- **Trimbitas R.T.** - *Local bivariate Shepard interpolation*, pag. 865
- **Voicu M.** - *Projective limits of linear operators*, pag. 879
- **Westphal U. - Neubauer M.** - *Fractional powers of group generators via fractional centrel differences*, pag. 897

INDICE DEL NUMERO 69, 2002 - The proceedings of the 21^a Winter School

"Geometry and Physics" Srní – January 13-20, 2001

- *Foreword*, pag. 7
- *List of Participants*, pag. 9
- **Cortés V.** - *Special Kaehler manifolds: A survey*, pag. 11
- **Marmo G. - Simoni A. - Ventriglia F.** - *BiHamiltonian systems in the quantum-classical transition*, pag. 19
- **Reimann H.M.** - *Equivariant differential operators* pag. 37
- **Sharpe R.** - *An introduction to Cartan Geometries*, pag. 61
- **Dušek Z.** - *Explicit geodesic graphs on some H -type groups*, pag. 77
- **Harris A.** - *A survey of boundary value problems for bundles over complex spaces*, pag. 89
- **Kadlčáková L.** - *Dirac operator in contact symplectic parabolic geometry*, pag. 97

- **Kolář M.** - *Necessary conditions for local convexifiability of pseudoconvex domains in \mathbb{C}* , pag. 109
- **Kwaśniewski A.K. - Grądzka E.** - *Further remarks on extended umbral calculus*, pag. 117
- **Leistner T.** - *Lorentzian manifolds with special holonomy and parallel spinors*, pag. 131
- **Markl M.** - *Homotopy diagrams of algebras*, pag. 161
- **Mikeš J. - Pokorná O.** - *On holomorphically projective mappings onto Kählerian spaces*, pag. 181
- **Mikeš J. - Rachůnek L.** - *T-semisymmetric spaces and concircular vector fields*, pag. 187
- **Francaviglia M. - Palese M.** - *Generalized Jacobi morphisms in variational sequences*, pag. 195
- **Rybicki T.** - *An infinite dimensional version of the third Lie theorem*, pag. 209
- **Sergiyev A.** – *On homogeneous symmetries for evolution systems with constraints*, pag. 219
- **Somberg P.** - *Crystallizing patterns of BGG sequences*, pag 233
- **Szakál Sz.** - *On the conformal theory of Ichijyō manifolds*, pag. 245

INDICE DEL NUMERO 70, 2002 - IV International Conference In "Stochastic Geometry, Convex Bodies, Empirical Measures & Applications to Engineering Sciences", Tropea, Settembre 24-29, 2001, Vol. I, Edited by Rolf Schneider and Marius I. Stoka

VOL. I

- *Preface*, pag. 13
- *List of Participants*, pag. 15
- *Opening speech*, pag. 19
- **Arena F.** - *Ocean wave statistics for engineering applications*, pag. 21
- **Barany I.** - *Approximation by random polytopes has low complexity*, pag. 53

- **Bogdewicz A.** - *On affine and metric lines in the spaces of convex bodies*, pag. 57
- **Bonanzinga V.** - *A note on the position of a monomial with respect to the lexicographic or reverse lexicographic order*, pag. 79
- **Boroczky K. - Szabo L.** - *Minkowski arrangements of circles in the plane*, pag. 87
- **Boroczky jr. K. - Fejes Toth G.** - *Stability of some inequalities for three-polyhedra*, pag. 93
- **Bosetto E.** - *Problemes of Buffon type for large test bodies*, pag. 109
- **Bretto A. - Li Marzi E.M. - Raina F.** - *Some latticial and convex aspects of mathematical morphology*, pag. 121
- **Cambini A. - Martein L.** - *Pseudolinearity in scalar and vector optimization*, pag. 135
- **Cambini R. - Carosi L.** - *On generalized convexite of quadratic fractional functions*, pag. 155
- **Canova P. - Gandini P. M.** - *A new bound for finite linear packings of unit balls in 4-space* pag. 177
- **Caristi G. - Ferrara M.** - *Alternative and minimax theorems: a survey and new perspectives*, pag. 187
- **Caristi G. - Niglia A.** - *Geometric probabilities for non-regular lattice*, pag. 195
- **Coleman R.** - *Shape-fitting using pivotal models*, pag. 205
- **De Toma V. - Raguso G.** - *Ricerca della densita della famiglia di varieta formata da due rette e un piano*, pag. 219
- **Dulio P. - Peri C.** - *On Hammer's X-ray problem in spaces of constants curvature*, pag. 229
- **Duma A. - Stoka M.** - *Problems of "Buffon" type for a non-convex lattice*, pag. 237
- **Duma A. - Stoka M.** - *Problems of "Buffon" type for the Delon lattice*, pag. 257
- **Engel P.** - *On the determination of a lattice basic of facet vectors*, pag. 269
- **Erdahl R. - Rybnikov K.** - *On Voronoi's two tilings of the come of metrical forms*, pag. 279
- **Florian A.** - *Some recent results in discrete geometry*, pag. 297
- **Gandini P.M. - Zucco A.** - *On the number of vertices of an arrangement of 13 lines* pag. 311

- **Goodey P. - Weil W.** - *Representations of mixed measures with applications to Boolean models*, pag. 325
- **Hans-Gill R.J.** - *The biliard ball motion problem II : l_p – balls in \square^3 , $1 < p < \infty$* pag. 347
- **Hashorva E. - Husler J.** - *The neighbourhood of bivariate maxima*, pag. 361
- **Henk M.** - *Successive minima and lattice points*, pag. 377
- **Herburt I.** - *On the Lipschitz continuity of the centre of the minimal ring*, pag. 385
- **Hernandez Cifre M.A.** - *Some optimization problems for planar convex figures*, pag. 395

VOL. II

- *Preface*, pag. 13
- *List of Participants*, pag. 15
- *Opening speech*, pag. 19
- **Hug D. - Schneider R.** – *Stability results involving surface area measures of convex bodies*, pag. 21
- **Itoh J.I. - Zamfirescu T.** - *On the length of the cut locus on surfaces*, pag. 53
- **Itoh J.I. - Zamfirescu T.** - *Acute triangulations of triangles on the sphere*, pag. 59
- **Kupitz Y. S. - Martini T.** - *Diameter graphs and full equi-intersectors in classical geometries*, pag. 65
- **La Torre D. - Rocca M.** - *A survey on C^μ functions: theory, numerical methods and applications*, pag. 75
- **Leonardi G.** - *Using the multi-dimensional fuzzy analysis for the project optimization of the infrastructural interventions on trasport network*, pag. 95
- **Lo Bosco. - Praticò F.G.** - *The shape analysis of the aggregates for the optimation of the mixtures quality for road constructions: a mathematical model of stochastic-multivaried type and its experimental validation*, pag. 109
- **Ludwig M.** - *Moment vectors of polytopes* pag. 123
- **Mcmullen P.** - *The Brunn-Minkowski theorem for polytopes*, pag. 139
- **Marchisio M.** - *Rational surfaces on the quartic 3-fold*, pag. 151
- **Micheletti A.** - *Shape and size in biotechnologies. Applications to bioconversions*, pag. 159

- **Molica Bisci G.** - *Symmetric algebra of ideals of graphs*, pag. 167
- **Moszynska M. - Zukowski T.** - *On G -pseudo-centres of convex bodies (II)*, pag. 177
- **Myjak J. - Szarek T.** - *Generic properties of Markov operators*, pag. 191
- **Paratore M.F. - La Barbiera M.** - *Combinatorics of the integral closure of monomial ideals*, pag. 201
- **Pepe F. - Rella L.** - *Una nota circa la risolubilità di un sistema di Deltheil*, pag. 209
- **Pettineo M.** - *On a problem of Buffon type for a non – convex lattice*, pag. 217
- **Pipitone V. - Russo G.** - *Measurability in the semigalilean space*, pag. 229
- **Praticò F.G.** - *A stochastic approach to the problem of roundabout safety optimization. The proposal of a mathematical model, on the basic of Delone's irregular*, pag. 237
- **Reitzner M.** - *Random polytopes are nearly best approximating*, pag. 263
- **Restuccia G. - Rinaldo G.** - *Ideals of graphs with a small number of edges generated by s -sequences*, pag. 279
- **Schneider R. - Schster R.** - *Tensor valuations on convex bodies and integral geometry, II*, pag. 295
- **Schutt C.** - *Best and random approximation of convex bodies by polytopes*, pag. 315
- **Stachel H.** - *Configuration theorems on bipartite frameworks*, pag. 335
- **Streit F.** - *Further investigations on statistical methods for point processes with Markov-dependent intervals*, pag. 353
- **Vitale R.A.** - *Intrinsic L_p metrics for convex bodies*, pag. 361
- **Werner E.** - *The p -affine surfaces area and geometric interpretations*, pag. 367
- **Wills J.M.** - *On an inequality in Minkowski geometry*, pag. 383
- **Zong C.** - *Simultaneous packing and covering of centrally symmetric convex bodies*, pag. 387

INDICE DEL NUMERO 71, 2003

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Kobayashi T.** - *Conformal geometry and global solution to the Yamabe equations on classical pseudo-Riemannian manifolds*, pag. 15
- **Lindström U.** - *Supersymmetry, a biased review*, pag. 41
- **Bailey T.N.** - **Eastwood M.G.** - **Gindikin S.G.** - *Nonclassical descriptions of analytic cohomology*, pag. 67
- **Bureš J.** - **Vanžura J.** - *Multisymplectic forms of Degree three in dimension seven*, pag. 73
- **Čap A.** - **Eastwood M.** - *Some special geometry in dimension six*, pag. 93
- **Friedrich T.** - *On types of non-integrable geometries*, pag. 99
- **Fulp R.** - **Lada T.** - **Stasheff J.** - *Noether's variational theorem II and the BV formalism*, pag. 115
- **Krot E.** - *b *-difference calculus Bernoulli-Taylor formula*, pag. 127
- **Krump L.** - **Souček V.** - *Hasse diagrams for parabolic geometries*, pag. 133
- **Kwaśniewski A. K.** - **Gradzka E.** - *More on deformed oscillator algebras and extended umbral calculus*, pag. 143
- **Markl M.** - *Free loop spaces and cyclohedra*, pag. 151
- **Neretin Y.A.** - *A construction of finite-dimensional faithful representation of Lie algebra*, pag. 159
- **Somberg P.** - *The generalized c T -algebra structure on BGG sequences and generalized associative operad*, pag. 163
- **Šeděnková J.** - *On the invariant variational sequences in mechanics*, pag. 185
- **Šilhan J.** - *algorithmic computations of Lie algebras cohomologies*, pag. 191
- **Znojil M.** - *Re-establishing supersymmetry between harmonic oscillators in $D \neq 1$ dimensions*, pag. 199

INDICE DEL NUMERO 72, 2003

- *Foreword*, pag. 7
- *List of Participants*, pag. 9
- **Burstall F. E. - Calderbank D. M. J.** - *Submanifold geometry in generalized flag manifolds*, pag. 13
- **McDuff D.** - *Lectures on groups of symplectomorphism*, pag. 43
- **Rocek M.** - *Sigma models in geometry*, pag. 79
- **Bures J.** - *Multisymplectic structures of degree three of product type on 6-dimensional manifolds*, pag. 91
- **Gilkey P.** - *Nilpotent spacelike Jordan Osserman pseudo-Riemannian manifolds*, pag. 99
- **Hajkova V. - Kowalski O. - Sekizawa M.** - *On three-dimensional hypersurfaces with type number in \mathbb{R}^4 and \mathbb{E}^4 treated in intrinsic way*, pag. 107
- **Haller S.** - *A remark on the c-splitting conjecture*, pag. 127
- **Janyska J.** - *On the curvature of tensor product connections and covariant differentials*, pag. 135
- **Lakoma L. - Jukl M.** - *The decomposition of tensor spaces with almost complex structure*, pag. 145
- **Mikes J. Pokorna O. - Starko G.** - *On almost geodesic mappings; 2 (e) onto Riemann spaces*, pag. 151
- **Mladenov I.M.** - *A case study of quantization on curved surfaces: The Mylar balloon*, pag. 159
- **Ortaacgil E.** - *A remark on the topology of higher order frames*, pag. 171
- **Somberg P.** - *Higher monogeneticity and residue theorem for Rarita-Schwinger operator*, pag. 177
- **Snobl L.** - *Modular spaces of low-dimensional Drinfeld doubles*, pag. 193
- **Vanzura J.** - *Characterization of one type of multisymplectic 3-forms in odd dimensions*, pag. 203
- **Znojil M.** - *Conservation of pseudo-norm in PT symmetric quantum mechanics*, pag. 211

- **Zadnik V.** - *Distinguished curves on 6-dimensional CR-manifolds of codimension 2*, pag. 199

INDICE DEL NUMERO 73, 2003

- *Preface*, pag. 7
- *Main lectures*, pag. 9
- *Research talks*, pag. 11
- **Antoine J.P.** - **-algebras, twenty years later*, pag. 13
- **Fagnola F.** - *Quantum Markov semigroups: structure and asymptotics*, pag. 35
- **Gonzalez M.** - *The perturbation classes of some semigroups associated to an operator ideal*, pag. 53
- **Harte R. - Taylor C.** - *The functional calculus and all that*, pag. 77
- **Inoue A.** - *Trace representation of positive invariant sesquilinear forms in partial O^* -algebras*, pag. 91
- **Rakocevic V.** - *Koliha-Drazin inverse and perturbations*, pag. 101
- **Sewell G.L.** - *Interplay between classical and quantum structures in algebraic quantum theory*, pag. 127
- **Uchiyama M.** - *Construction of operator monotone functions*, pag. 137
- **Aiena P. - Biondi M.T.** - *Weyl's theorems through local spectral theory*, pag. 143
- **Bagarello F.** - *Spatiality of derivations for $QM \square$ systems: some preliminary results*, pag. 169
- **Bongiorno D.** - *On the dependence by shape of Maly's definition of absolutely continuous functions in \mathbb{A}^n* , pag. 185
- **Bourhim A.** - *Local spectra of bilateral operator weighted shifts*, pag. 195
- **Caponetti D. - Trombetta G.** - *On the measures of solvability of the identity operator*, pag. 207
- **Gonzales M. - Herrera J. M.** - *Calkin algebras of decomposable spaces*, pag. 211
- **Guerrini L. - Papini P. L.** - *Rigid sets and polyhedral norms*, pag. 223

- **Gomez palacio P. - Lopez Molina J.A. Rivera M.J.** - *Local techniques in the study of operators and tensor norms defined by a sequence space*, pag. 229
- **Trapani C.** - *C*-seminorms defined by families of positive sesquilinear forms*, pag. 243
- **Tschinke F.** - *Convolutions generated by self-adjoint unbounded operators*, pag. 257

INDICE DEL NUMERO 74, 2004

- *Editor's introduction*, pag. 7
- **McCleary J.** - *A history of manifolds and fibre spaces tortoises and hares*, pag. 9
- **Bottazzini U. - Conte A. - Gario P.** - *Lettere di Enriques a Castelnuovo, 1895-1905*, pag. 31
- **Nastasi P. - Tazzioli R.** - *Sulla determinazione della m^{ma} funzione di Green e questioni connesse*, pag. 71
- **Gario P.** - *Guido Castelnuovo e il problema della formazione dei docenti di matematica*, pag. 103

INDICE DEL NUMERO 75, 2005

- *Foreword*, pag. 7
- *List of participants*, pag. 9
- **Branson T.** - *Q-curvature and spectral invariants*, pag. 11
- **Boyer C.P. - Galicki K.** - *Sasakian geometry, hypersurface singularities, and Einstein metrics*, pag. 57
- **Eastwood M.** - *Prolongations of linear overdetermined systems on affine and Riemannian manifolds*, pag. 89
- **Gover A.R.** - *Conformal de Rham Hodge theory and operators generalizing Generalising the Q- curvature*, pag. 109

- **Rumin M.** - *An introduction to spectral and differential geometry in Carnet-Carathéodory spaces*, pag. 139
- **Schwachhofer L.J.** - *Special connections on symplectic manifolds*, pag. 197
- **Chouikha A.R.** - *PRemark on a conjecture of conformal transformations of Riemannian manifolds*, pag. 225
- **Cap A.** - *Automorphism groups of parabolic geometries*, pag. 233
- **Jung S.D.** - *Lower bounds for the eigenvalues of the basic Dirac operator*, pag. 241
- **Kolar M.** - *Local convexifiability of some rigid domians*, pag. 251
- **Krupková O.** - Swaczyna M. - *Horizontal and forms on constraint manifolds*, pag. 259
- **Krysl S.** - *On a distinguished class of infinite dimensional representations of $sp(2n, \mathbb{C})$* , pag. 269
- **Leitner F.** - *Conformal Killing forms with normalisation condition*, pag. 279
- **Somberg P.** - *Hasse graphs and parabolic subalgebras of exceptional Lie algebra f_4* , pag. 293
- **Skodová M.- Mikes J. - Pokorná O.** - *On homomorphically projective mappings from equiaffine symmetric and recurrent spaces onto Kahlerian spaces*, pag. 309
- **Smid D.** - *The Poisson transform for higher order differential operators*, pag. 317
- Vanzura J. - *Restrictions of 3-forms in dimension 7 to subspaces of codimension 1*, pag. 325
- **Znojil M.** - *Multiparametric oscillator Hamiltonians with exact bound states in infinite-dimensional space*, pag. 333
- **Zàdník V.** - *Remarks on development of curves*, pag. 347

INDICE DEL NUMERO 76, 2005

- *Preface*, pag. IX
- *Program of the Conference*, pag. XI
- *List of participants*, pag. XXVII

PART I - INVITED LECTURES

- **Behrends** - *The small ball property in Banach spaces – Qualitative results*, pag. 3
- **Brown A.L.** - *The questions of Haar and Mairhuber for five possible properties of metric projection in a space of continuous functions*, pag. 17
- **Jacob N. - Potrykus A.** - *Roth's method applied to some pseudo-differential Operators with bounded symbols. A case study*, pag. 45
- **Kroò A.** - *Newman-type inequalities for multivariate polynomials*, pag. 59
- **Milovanovic G.V. - Stanic M.** - *Multiple orthogonality and quadratures of gaussian type*, pag. 75
- **Toòkos F. - Totik V.** - *Markov inequality and Green functions*, pag. 91
- **Chouikha A.R.** - *Approximation in Orlicz spaces for linear integral operators and Applications*, pag. 103
- **Yuan Xu** - *Best approximation of monomials in several variables*, pag. 129

PART II - CONTRIBUTED PAPERS

- **Abel U. - Della Vecchia B. - Ivan M.** - *Simultaneous asymptotic approximation by Jakimovski-Leviatan-Durrmeyer operators and their linear combinations*, pag. 157
- **Agratini O.** - *Rate of convergence of a class of Bézier type operators for functions of bounded variation*, pag. 177
- **Anastassiou G.A.** - *Fractional and other approximation of Csiszar's f divergence*, pag. 197
- **Briem E.** - *Ultra non-vanishing function spaces and operating functions*, pag. 213
- **Cerdà J. - Martìn J.** - *q -Variation and commutators for Fourier multipliers*, pag. 221
- **Conradie J.** - *Uniform integrability, rearrangements and embeddings*, pag. 233
- **Costabile F. - Gualtieri M.I.** - *New automatic non interpolatory quadrature and cubature formulas*, pag. 255
- **Derriennic M.M.** - *Modified Bernstein polynomials and Jacobi polynomials in q -Calculus*, pag. 269
- **Van den Esker H. - De Bruin M.G. - Koekoek R.** - *Overconvergence of some next-to-interpolatory polynomials*, pag. 291

- **Fernàndez L. - Pérez T. E. - Pinar M. A.** - *On multivariate classical orthogonal*, pag. 315
- **Fischer G. - Lasser R.** - *Homogeneous Banach spaces with respect to Jacobi Polynomials*, pag. 331
- **Gàt G.** - *Properties of Fejér means of Fourier series with respect to un-bounded Vilenkin systems*, pag. 355
- **Gavrea I. - Trif T.** - *The rate of convergence by certain new Meyer-Konig and Zeller operators of finite type*, pag. 375
- **Hinrichs A. - Michels C.** - *Approximation number of inclusions between Schatten classes*, pag. 395
- **Lamberti P.D. - Lanza de Cristoforis M.** - *Persistence of eigenvalues and multiplicity in the Neumann problem for the Laplace operator on nonsmooth domains*, pag. 413
- **Lénàrd M.** - *On weighted (02)-interpolation*, pag. 429
- **Lenski W. - Kranz R.** - *On the pointwise strong approximation by orthogonal expansions*, pag. 445
- **Mache D. - Rasa I.** - *Some Co – semigroups related to polynomial Operators*, pag. 459
- **Mastroianni G. - Occorsio D.** - *Fourier sums in Sonin-Markov polynomials*, pag. 469
- **Melnikova I.V.** - *Regularized solutions constructed by semigroup and distribution techniques*, pag. 487
- **Nagy K.** - *Some convergence properties of the Walsh-Kaczmarz system with respect to Marcinkiewicz means*, pag. 503
- **Pustylnik E.** - *A new class of approximation spaces*, pag. 517
- **Rohwer C.H.** - *Quasi-inverses and approximation with Min-Max operators*, pag. 533
- **Schmalmack M.** - *A Tauberian theorem for convolution semigroups*, pag. 547
- **Skrzipek M.R.** - *Shift strategies for polynomial expansions*, pag. 561
- **Trapani C.** - *Some results on the structure of partial * - algebras*, pag. 573
- **Trapani C. - Triolo S.** - *Auxiliary seminorms and the structure of a CQ *- algebras*, pag. 587

- **Trebels W. - Westphal U.** - *Some Co – k-functionals related to semigroups of Operators*, pag. 603
- **Van Deun J. - Bultheel A.** - *Computing orthogonal rational functions on a halfline*, pag. 621
- **Vesely L.** - *One-point location problems from a very general point of view*, pag. 635
- **Voicu M.** - *Pseudo-resolvents on locally convex spaces*, pag. 655
- **Zakharova A.A.** - *Integral frames and Riesz bases*, pag. 667

INDICE DEL NUMERO 78, 2006

- *Preface*, pag. 9
- **Alì G. - Anile A.M. - Mascali G.** - *Variational Methods for the Steady-State Boltzmann Equation for Semiconductors*, pag. 11
- **Bernardi O. - Cardin F.** - *Some Global Features of Wave Propagation*, pag. 19
- **Brini F. - Ruggeri T.** - *On the Riemann Problem with Structure in Extended Thermodynamics*, pag. 31
- **Casasso A. - Pastrone F.** - *Nonlinear Wave Motion in Complex Elastic Structures*, pag. 45
- **Choquet-Bruhat Y. - York J.W.** - *Einstein-Bianchi System with Sources*, pag. 59
- **Currò C. - Sugiyama M. - Valenti G.** - *Formation and Propagation of Shock Waves in Three-Dimensional Isotropic Solids at Finite Temperatures*, pag. 71
- **Della Rocca G. - Sammartino M. - Sciacca V.** - *Well-Posedness and Singularity Formation for the Camassa-Holm Equation*, pag. 85
- **Ferrarese G. - Bini D.** - *Compatibility of Physical Frames in Relatività*, pag. 97
- **Fusco D. - Manganaro N.** - *Differential Constraints and Wave Ansatz for Solutions of Nonhomogeneous Hyperbolic Models*, pag. 111
- **Gambino G. - Greco A.M.** - *On a Radiating Fluid in a General Relativistic Context*, pag. 121
- **Gouin H. - Gavrilyuk S.** - *Dissipative Two-Fluid Models*, pag. 133

- **Jeffrey A.** - *Nonlinear Waves, Weak Solutions, Dispersion, Dissipation and Lie Algebras*, pag. 147
- **Kalisch J. - Müller I.** - *Strategic and Evolutionary Equilibria in a Population of Hawks and Doves*, pag. 163
- **Lombardo S. - Mulone G. - Trovato M.** - *A General Analytical Procedure to Obtain Optimal Lyapunov Functions in Reaction-Diffusion Systems*, pag. 173
- **Lou J. - Ruggeri T.** - *Acceleration Waves and Weak Shizuta-Kawashima Condition*, pag. 187
- **Mentrelli A. - Ruggeri T.** - *Asymptotic Behavior of Riemann and Riemann with Structure Problems for a 2×2 Hyperbolic Dissipative System*, pag. 201
- **Muracchini A. - Seccia L.** - *Heat Propagation with Two Relaxation Times via Extended Thermodynamics*, pag. 227
- **Oliveri F.** - *Sur une Propriété Remarquable des Équations de Monge-Ampère*, pag. 243
- **Peng Y.J.** - *Entropy Solutions of Born-Infeld Systems in One Space Dimension*, pag. 259
- **Rionero S.** - *Nonlinear L^2 -Stability Analysis for Two-Species Population Dynamics in Spatial Ecology Under Neumann Boundary Data*, pag. 273
- **Serre D.** - *Second Order Initial Boundary-Value Problems of Variational Type: The Incompressible Case*, pag. 285
- **Strumia A.** - *Wave Propagation and Particle Dynamics*, pag. 313
- **Sugiyama M. - Zhao N.** - *Temperature Jump at the Boundary of a Rarefied Gas Analyzed by Consistent-Order Extended Thermodynamics*, pag. 333
- **Webber M. - Straughan B.** - *Stability of Pressure Driven Flow in a Microchannel*, pag. 343