

Program

Wednesday, September 4

Opening of the Conference by F. Leja

Morning Session

Chairman: O. Lehto

P. Oaraman, *About a conjecture of F. W. Gehring on the boundary correspondence by quasi-conformal mappings,*

J. Ławrynowicz, *On a class of capacities on complex manifolds endowed with an hermitian structure and their relation to elliptic and hyperbolic quasi-conformal mappings,*

E. Bombieri, *Analytic functions and transcendental numbers.*

Afternoon Session

Chairman: R. Kühnau

M. Wojciechowska, *Capacity and quasi-conformal mappings on Riemannian manifolds,*

J. Kalina, *A variational characterization of the capacity of a condenser in \mathbf{R}^n and \mathbf{C}^n ,*

A. Pierzechalski, *Algebraic criterion of quasi-conformality for Riemannian differential spaces.*

Chairman: Z. Jakubowski

S. Walczak, *Application of Pontrjagin maximum principle to examining some extremal problems,*

O. Bereśniewicz-Rajca, *On coefficients of symmetric starlike functions,*

K. Miśta, *Estimates of the second and the third derivatives in the class of p -multivalent in the mean functions.*

Thursday, September 5

Morning Session

Chairman: C. O. Kiselman

P. Lelong, *Un théorème de fonctions implicites pour les fonctions plurisousharmoniques et ses applications à l'étude des fonctions analytiques,*

W. Tutschke, *Qualitative properties of generalized analytic functions of several complex variables,*

D. A. Storvick, *A Wiener integral equation,*

F. Leja, *Sur quelques fonctions extremales,*

B. Goldschmidt, *The additive Cousin-Problem for partial differential equations.*

Afternoon Session

Chairman: O. Tammi

H. Renelt, *Über eine Variante des Modulpotenzprodukts,*

Z. Lewandowski and J. Stankiewicz, *Modular majorization and inclusion of domains,*

J. Waniurski, *Some relations between starlike and convex functions,*

P. Walczak, *Polynomial structures on principal fibre bundles as a generalization of almost complex structures.*

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Chairman: L. Mikołajczyk

J. Ślaskowska-Zahorska, *Faber polynomials in the theory of univalent bounded functions,*

K. Pethe, *Estimation of coefficient a_{3k+1} of univalent and k -symmetric functions in the unit circle.*

Friday, September 6

Morning Session

Chairman: P. Lelong

L. Waelbroeck, *Vector-valued analytic functions in the non-locally convex case,*

G. Coeuré, *Propriété de Runge et enveloppe d'holomorphie de certaines variétés analytiques de dimension infinie,*

Nguyen Thanh Van, *Fonctions séparément analytiques et prolongement analytique faible.*

Afternoon Session

Chairman: L. Waelbroeck

O. O. Kiselman, *On the radius of convergence of an entire function in a normed space,*

R. M. Aron and M. Schottenloher, *Compact holomorphic mappings on Banach spaces,*

J. Globevnik, *On analytic functions into \mathcal{L}^p -spaces,*

Ph. Noverraz, *Topologie tonnelée et décomposition de Schauder.*

Chairman: G. Coeuré
 E. Ligocka, *Levi forms in Banach spaces*,
 Oz. Matyszczyk, *Approximation of analytic operators by polynomials in complex Fréchet spaces*,
 J. Chmielowski, *Théorèmes d'identité en dimension infinie*.

Saturday, September 7

Morning Session

Chairman: D. A. Storvick
 O. Lehto, *Conformal mappings with quasi-conformal extensions*,
 E. Reich, *A generalized Dirichlet principle for quasi-conformal mappings and related problems for analytic functions*,
 J. Krzyż, *Harmonic measure and symmetrization*.

Monday, September 9

Morning Session

Chairman: E. Bombieri
 O. Forster, *Moduli problems in several complex variables*,
 F. K. Stein, *Dependence of meromorphic mappings*,
 J. Bochnak, *Sur la factorialité des anneaux de fonctions analytiques et de Nash*.

Afternoon Session

Chairman: W. Tutschke
 N. G. Lloyd, *Periodic solutions of holomorphic differential equations* (The communication was submitted by M. L. Cartwright, Given by A. Pelczar),
 P. Russev, *Some boundary properties of series in Laguerre polynomials*,
 J. Górski, *Holomorphic continuation of separately analytic functions on a 3-dimensional set in C^2* ,
 F. Bierski, *Über ein Problem von F. Leja*.

Chairman: J. Janikowski
 L. Mikołajczyk, *On some method of conditional extremum determination*,
 M. Jarnicki, *Prolongement analytique des fonctions harmoniques*,
 J. Zajac, *On the problem of orthogonality for Teichmüller quasi-conformal mappings in doubly connected domains*,

J. Zderkiewicz, *On the curvature of level lines of convex and Σ -convex functions of order α .*

Tuesday, September 10

Morning Session

Chairman: A. Pfluger

H.-J. Roßberg, *New results in the theory of Phragmén-Lindelöf*,
O. Tammi, *Use of the Power inequality in connection of coefficient regions for bounded univalent functions*,

D. Gaier, *Determination of the conformal modulus of quadrilaterals.*

Afternoon Session

Chairman: E. Reich

L. I. Hedberg, *Removable singularities and condenser capacities*,

P. Boland, *Holomorphic functions on nuclear spaces.*

Chairman: O. Forster

M. B. Freeman, *Exceptional points on real submanifolds*,

M. Schottenloher, *The Levi problem for domains spread over spaces with a basis.*

Wednesday, September 11

Morning Session

Chairman: P. Caraman

R. Kühnau, *Über Identitäten und eine Kernfunktion in der Theorie der quasikonformen Abbildungen mit ortsabhängiger Dilatationsbeschränkung*,

D. Ivaşcu, *Direct decomposition of the space $L^\infty(\Omega(\Gamma))$ related with the subspace $L^\infty(\Gamma, \Omega(\Gamma))$.*

Chairman: P. Russev

U. Pirl and C. Michel, *Eine Normalform für dreifach zusammenhängende Gebiete*,

M. Skwarczyński, *I. Analytic continuation of positive definite functions*,

II. Some applications of theorems on rational approximation in the mean.

Closing address by Z. Charzyński.
