

EQUADIFF 1

List of communications presented in sections

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- H. A. ANTOSIEWICZ, Los Angeles: An inequality in function spaces and its applications to control systems
- A. K. AZIZ and J. B. DIAZ, Univ. of Maryland: On a mean value theorem of the differential calculus of vector valued functions and uniqueness theorems for ordinary differential equations in a linear normed space
- M. BARNOVSKÁ, Bratislava: An asymptotic representation of the spectral matrix of a fourth-order differential equation
- L. BERG, Halle: Asymptotic expansions by means of neutrices
- I. BIHARI, Budapest: An oscillation theorem for nonlinear differential equations
- M. L. CARTWRIGHT, Cambridge: Minimal sets and almost periodic functions
- E. A. CODDINGTON, Los Angeles: Formally normal operators and applications to differential equations
- R. CONTI, Firenze: A quasi-linear problem in Banach spaces
- C. CORDUNEANU, Iași: Some inverse theorems in the theory of stability
- J. EZEILO, Ibadan: Some integrability results for the solutions of a nonlinear third-order differential equation
- M. GREGUŠ, Bratislava: On the boundary value problems of the n -th order
- O. HÁJEK, Praha: Parametrical variation of cycle period in dynamical systems
- Z. HUSTÝ, Brno: On some properties of linear differential equations of a higher order
- A. HUŤA, Bratislava: A formal solution of ordinary differential equations
- J. JARNÍK, Praha: On the continuous dependence on a parameter
- B. KAZANSKÝ, Praha: On degenerate singularities of dynamical systems
- P. LAASONEN, Helsinki: Eigenvalue problems and perturbation method
- M. LAITICH, Olomouc: The associated equations and their significance in the theory of transformations of ordinary linear differential equations of the second order
- J. MAMRILLA, Bratislava: On some properties of solutions of a linear homogeneous ordinary differential equation of the fourth order
- Z. MIKOŁAJSKA-MŁAK, Kraków: On bounded solutions of a difference-differential equation
- J. MORAVČÍK, Bratislava: On transformations of solutions of the fourth-order differential equations
- Cz. OLECH, Kraków: Global investigation of an autonomous system on the plane
- J. PONDĚLČEK, Poděbrady: Singular systems of linear differential equations with constant coefficients
- S. TRÁVNÍČEK, Olomouc: The systems of two linear differential equations of the fourth order
- O. A. ŽAUTYKOV, Alma-Ata: Some problems of the theory of denumerable systems of differential equations

2) *Partial differential equations*

- G. ADLER, Budapest: Upper bounds for the gradient of solutions of the equations of elliptic and parabolic types and of the biharmonic equation
- G. ANGER, Dresden: Functional analysis and differential equations
- H. BECKERT, Leipzig: Potential flow along a channel
- S. BERGMAN, Stanford: An algebra of three-dimensional harmonic functions

- P. DOKTOR, Praha: On the solution of the Dirichlet problem in a plane region
- R. FINN, Stanford: Existence, uniqueness and perturbation questions relating to the Stokes paradox
- J. KADLEC, Praha: On the regularity of the solution of Poisson's problem in a domain whose boundary is locally similar to the boundary of a convex domain
- L. N. KAMYNIN, Moskva: On the existence of a solution of the Verigin problem
- J. KAUTSKÝ, Praha: Approximation of solution of Dirichlet's problem on nearly circular domains
- J. KOHN, Princeton: Non-coercive estimates
- J. KOPÁČEK, Praha: The solution of Cauchy's problem for hyperbolic equations and systems by the method of finite differences
- A. KUFNER, Praha: On the dependence of the solution of Dirichlet's problem on the variation of the domain of definition
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- A. WHITE, Madison: Singularities of three-dimensional harmonic functions by their series development
- G. WILDENHAIN, Dresden: The potential theory and ordinary differential equations

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- S. FALK, Braunschweig: Hermite approximations in the Ritz procedure
- V. FIŘT, Praha: On harmonic oscillations of constructions with rods of varying cross-section
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- L. JÁNOŠ, Praha: The properties of the spectrum of certain boundary value problem
- J. KAFKA, Praha: The solution of boundary value problems from the applied physicist's viewpoint
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- H. KLEINMICHEL, Dresden: Some remarks on the stability of numerical integration methods for differential equations
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- W. KYNER, Los Angeles: Perturbation of critical flows
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- J. POLÁŠEK, Brno: A hodograph method for potential fields with singularities
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- Z. VOREL, Praha: Theory of Kirchhoff's networks from the viewpoint of ordinary differential equations
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