

## Přehled literatury

*Kybernetika*, Vol. 5 (1969), No. 6, 564--566

Persistent URL: <http://dml.cz/dmlcz/124139>

### Terms of use:

© Institute of Information Theory and Automation AS CR, 1969

Institute of Mathematics of the Academy of Sciences of the Czech Republic provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.



This paper has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library*  
<http://project.dml.cz>

V přehledu literatury jsou uváděny vybrané stati s kybernetickou problematikou z časopisů, které docházely redakci časopisu Kybernetika.

**Behavioral Science 14** (January 1969), 1

*M. L. Selzer:* Alcoholism, Mental Illness, and Stress in 96 Drivers Causing Fatal Accidents. *N. Miller, D. C. Butler:* Social Power and Communication in Small Groups. *H. S. H. Cutter:* Alcohol, Drinking Patterns, and the Psychological Probability of Success. *M. F. Friedell:* On the Structure of Shared Awareness.

**Behavioral Science 14** (May 1969), 3

*C. Langfeld:* Schizophrenia: Diagnosis and Prognosis. *C. H. Kriebel, L. B. Lave:* Conflict Resolution Within Economic Organizations. *R. Boguslav, R. H. Davis:* Social Process Modeling: A Comparison of a Live and Computerized Simulation. *A. Rapoport:* Effects of Payoff Information in Multistage Mixed-Motive Games. *W. M. Evan, J. R. Miller III:* Differential Effects on Response Bias of Computer vs. Conventional Administration of a Social Science Questionnaire: An Exploratory Methodological Experiment.

**Economic Computation and Economic Cybernetics Studies and Research** (1969), 1

*M. Mănescu:* Notes on the Application of Cybernetic Concepts in Economy. *G. Boldur:* On Group Decision. *S. Mustătea, L. Curta:* An Application of the Transportation Problem in Optimizing the Activities of Repair Shops. *M. C. Demetrescu:* A Statistical Metrics of Structures: Informational Energy. *I. Tomescu:* An Algorithm for Determining the Chromatic Number of a Finite Graph. *G. Micu:* An Option Problem Associated to a Graph.

**Funkcialaj Ekvacioj 11** (Februaro 1969), 3

*T. Saito:* Isolated Minimal Sets. *J. S. W. Wong:* On Second Order Nonlinear Oscillation. *Y. Sibuya:* Perturbation of Linear Ordinary Differential Equations at Irregular Singular Points.

**IEEE Transactions on Systems Science and Cybernetics SSC-4** (November 1968), 4

*E. P. King:* Simulation: A Management Planning Tool. *J. G. Taylor, J. A. Navarro, R. H. Cohen:* Simulation Applied to a Court System. *M. Araten, B. K. Price:* Company Model for Income Prediction. *R. C. Baxter:* Prediction of a Naval Vessel's Performance. *R. Lessing:* System Simulation Data Collection. *T. A. Humphrey:* The Role of Simulation in Computing. *M. Ames:* Simulation of a Private Line Communications Network. *G. S. Lasdon:* Simulation as a Transportation Tool. *C. J. Green:* Simulation of a Travelling Repairman Problem. *W. W. Fenn:* An Antisubmarine Warfare Model for Convoy Protection.

**IEEE Transactions on Systems Science and Cybernetics SSS-5** (January 1969), 1

*J. D. Hill:* A Search Technique for Multimodal Surfaces. *G. N. Saridis, Z. J. Nikolic, K. S. Fu:* Stochastic Approximation Algorithms for System Identification, Estimation, and Decomposition of Mixtures. *J. R. Carbonell:* On Man-Computer Interaction: A Model and Some Related Issues. *J. H. Beamer, D. J. Wilde:* An Upper Bound on the Number of Measurements Required by the Contour Tangent Optimization Technique. *C. H. Chen:* A Theory of Bayesian Learning Systems. *C. H. Hilborn, D. G. Lainiotis:* Optimal Estimation in the Presence of Unknown Parameters. *P. Dorato:* On the Inverse of Linear Dynamical Systems. *G. J. Friedman, C. T. Leondes:*

Constraint Theory, Part I: Fundamentals. *R. K. Mueller*: The Managementality Gap. *E. Biondi, R. Schmid*: An Approximate Algorithm for Discrete Linear Programming. *E. A. Patrick*: Concepts of an Estimation System, an Adaptive System, and a Network of Adaptive Estimation Systems. *S. Deutsch*: The Maximization of Nerve Conduction Velocity.

The Journal of Symbolic Logic 33 (June 1968), 2

*H. Leblanc*: Subformula theorems for  $N$ -sequents. *P. Andrews*: On simplifying the matrix of a wff. *S. Feferman*: Systems of predicative analysis II: Representations of ordinals. *D. C. Ferguson*: Infinite products of recursive equivalence types. *H. Leblanc*: A simplified account of validity and implication for quantificational logic. *J. R. Geiser*: Nonstandard logic. *R. E. Clay*: The consistency of Leśniewski's mereology relative to the real number system. *C. G. McKay*: The decidability of certain intermediate propositional logics. *T. T. Robinson*: Independence of two nice sets of axioms for the propositional calculus. *A. Oberschelp*: On the Craig-Lyndon interpolation theorem. *H. Leblanc*: On Meyer and Lambert's quantificational calculus.

The Journal of Symbolic Logic 33 (December 1968), 4

*G. Boolos, H. Putnam*: Degrees of unsolvability of constructible sets of integers. *D. Richardson*: Some undecidable problems involving elementary functions of a real variable. *C. G. Jockusch, Jr.*: Uniformly intrareducible sets. *N. Rescher, J. Garson*: Topological logic. *R. M. Smullyan*: Analytic cut. *A. G. Hamilton*: An unsolved problem in the theory of constructive order types. *R. Routley, H. Montgomery*: The inadequacy of Kripke's semantical analysis of D2 and D3. *I. Thomas*: Replacement in some modal systems.

The Journal of Symbolic Logic 34 (March 1969), 1

*R. H. Thomason, D. R. Johnson, Jr.*: Predicate calculus with free quantifier variables. *J. B. Florence*: Partially ordered sets representable by recursively enumerable classes. *M. J. Hassets*: Recursive equivalence types and groups. *A. B. Slomson*: An undecidable two sorted predicate calculus. *P. Materna*: Identity, equivalence and isomorphism of problems. *D. Makinson*: A normal modal calculus between T and S4 without the finite model property. *L. Hay*: Index sets of finite classes of recursively enumerable sets. *A. B. Manaster*: Rich co-ordinals, addition isomorphism, and RETs. *R. I. Soare*: Sets with no subset of higher degree. *N. B. Cocchiarella*: A second order logic of existence. *E. Ellentuck*: A choice free theory of Dedekind cardinals. *M. Lerman*: Some nondistributive lattices as initial segment of the degrees of unsolvability.

Кибернетика (март—апрель 1969), 2

*В. М. Глущиков*: О прогнозировании на основе экспериментальных оценок. *А. А. Лепищевский*: Функциональная эквивалентность дискретных преобразователей. *Ю. В. Глебский, Д. И. Коган, М. И. Лигоонский, В. А. Таланов*: Объем и доля выполнимости формул узкого исчисления предикатов. *Ю. Л. Иващенко, Д. А. Поступов, Ж. Тошиб*: Представления в многозначных логиках. *Г. Ф. Суруп*: Алгоритмы моделирования статистической динамики технических систем с переменной структурой. *В. И. Варшавский*: Мажоритарная операция в многозначной логике. *Ю. А. Сушкин*: Об одном применении плоских графов. *Б. Н. Пищеничный*: Необходимые условия экстремума в задачах частично-выпуклого программирования.

messen — steuern — regeln 12 (April 1969), 4

*F. Franke*: Existenzkriterien für stationäre Eigenschwingungen bei getasteten Mehrpunktregelungen. *R. Schäbitz*: Zur Stabilität eines diskontinuierlichen Extremalsystems bei Drift. *I. S. Morossan*

- 566** *nsw:* Methode der charakteristischen Funktionen zur Berechnung von Linearisierungskoeffizienten. *J. Miljan:* Anwendung der erweiterten Beschreibungsfunktion auf Regelsysteme mit impliziten Nichtlinearitäten.

**messen — steuern — regeln 12** (Mai 1969), 5

*P. M. Frank:* Zur Theorie und Realisierung der vollständigen Prädiktorregelung von Totzeitstrecken. *G. Herfurth:* Genauigkeitsprüfung von Übergangsfunktionen. *K. H. Fasol, P. Kopacek, P. Vingron, H. Wohlfart:* Ein pneumatischer Generator zur Erzeugung von binären Pseudo-Zufallsignalen. *D. Ströle:* Antriebsregulierungen mit stochastischen Störungen. *J. Rogos:* Entwicklungstendenzen für den Einsatz von Kleinrechnern als Digitalregler.

**Operations Research 17** (March-April 1969), 2

*A. Blumenstein, R. Larson:* Models of a Total Criminal Justice Systems. *P. L. Hammer, S. Rudeanu:* Pseudo-Boolean Programming. *A. F. Veinott, Jr.:* Minimum Concave Cost Solution of Leontief Substitution Models of Multi-Facility Inventory Systems. *R. H. Hayes:* Optimal Strategies for Divestiture. *K. Onaga:* Maintenance and Operating Characteristics of Communication Networks. *M. N. Bhattacharyya:* Optimum Allocation of Stand-by Systems. *D. A. Pierce, J. L. Folks:* Sensitivity of Bayes Procedures to the Prior Distribution. *L. Durr:* A Single-Server Priority Queuing System with General Holding Times, Poisson Input, and Reverse-Order-Arrival Queuing Discipline.

**Studia Philosophica Gandensia 6** (1968)

*D. Batens:* Some proposal for the solution of the Carnap-Popper discussion on „inductive logic“. *S. Issman:* L’Implication Logique et la Déduction Naturelle. *F. Vandamme:* Is transformational grammar a contribution to the theory of innate ideas?