

On the Conditions for Total Continuity of the Resolvent of a
non-selfadjointed Differential Operator. PA - 2907

ASSOCIATION: Moscow Physical-Technical Institute.
PRESENTED BY: A.N.KOLMOGOROV, Member of the Academy
SUBMITTED: 25.9.1956
AVAILABLE: Library of Congress

Card 3/3

LIDSKIY, V. B.

AUTHOR: Lidskiy, V.B.

20-2-9/62

TITLE: On the Completeness of the System of Eigenelements and Adjoined Elements of a Totally Continuous Operator. (O polnote sistemy sobstvennykh i prisoyedinennykh elementov polne nepreryvnogo operatora)

PERIODICAL: Doklady Akad. Nauk SSSR, 1957, Vol. 115, Nr 2, pp. 234-236 (USSR)

ABSTRACT: This paper examines the totally continuous operator $T = A + iB$, which acts in Hilbert's (Gilbert's) space \mathcal{G} , where A and B are self-adjointed operators: $A = (1/2)(T+T^*)$. The author proves a theorem on those conditions under which the system of eigenelements and adjoined elements of the operator T is complete. For the proof of this theorem the author uses the theorem by Fragmen-Lindlef, in order to estimate an integer function occurring here. Of special importance in this connection is the estimation of the increase of the integer function. The theorem reads as follows: The self-adjointed operators A and B be codefinite (i.e. the quadratic forms (Af, f) and (Bf, f) do not alter the sign) and the operator B have the finite trace $SpB = \sum_{s=1}^{\infty} |\mu_s| < \infty$. In this connection

the μ_s are the eigenvalues of B . Then the system of the actual and the adjoined elements of the operator, $T = A + iB$, which refer to the zeros of the spectrum, is completely in the domain of the values of operator T .

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LIDSKIY, V. B. Doc Phys-Math Sci -- (diss) "Conditions of ^{totality} completeness of
the system of ~~radical~~ ^{Root} subspaces in non-self-adjoint operators with discrete
spectra." ^{WM} Mos, 1958. 9 pp (Acad Sci USSR. Department of Applied Math of
Math Inst im V. A. Steklov), 150 copies. Bibliography at end of text (18 titles)
(KL, 36-58, 109)

AUTHOR: Lidskiy, V.B.

20-119-6-8/56

TITLE: Theorems on the Completeness of the System of the Eigen- and Adjoint Elements of Operators With Discrete Spectrum (Teoremy o polnote sistemy sobstvennykh i prisoyedinennykh elementov operatorov s diskretnym spektrom)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 119, Nr 6, pp 1088-1091 (USSR)

ABSTRACT: Let T be a completely continuous operator in the separable Hilbert space \mathcal{H} and let it satisfy the condition

$$\sum_s (T\varphi_s, T\varphi_s) < \infty,$$

where φ_s is an orthogonal normed base in \mathcal{H} .

Theorem: Let $T = A + iB$, where the self-adjoint operators A and B are assumed to be definite. Then the eigen- and adjoint elements of T belonging to the points different from zero of the spectrum form a system which is complete in the range of T . If this system is completed by a base in the subspace of the solutions of $Tf = 0$, then the arising system is complete in \mathcal{H} .

From this theorem another one is concluded. The author gives examples for the application of the theorems to the investigation of integral- and differential operators.

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16(0) p. 2

PHASE I BOOK EXPLOITATION

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Moskovskoye matematicheskoye obshchestvo

Trudy, t. 8 (Transactions of the Moscow Mathematical Society, Vol 8) Moscow, Fizmatgiz, 1959. 518 p. Errata slip inserted. 2,050 copies printed.

Ed.: A.F. Lapko; Tech. Ed.: S.S. Gavrilov; Editorial Board: P.S. Aleksandrov, I.M. Gel'fand, and O.N. Golovin.

PURPOSE: This book is intended for mathematicians and theoretical physicists.

COVERAGE: This book contains a collection of articles by leading Soviet mathematicians on problems in pure and applied mathematics. All articles were written in 1957 and 1958. Among the topics discussed are: analytic - operator functions, function spaces; nonstationary plane flow of a viscous non-compressible liquid, root spaces, products of groups representations, ordinary and partial differential equations, 3rd and 4th order linear equations, homogeneous spaces, spectral theory of operators, and generalized random processes. References accompany each article.

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Transactions of the Moscow Mathematical (Cont.)

SOV/2960

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Card 2/3

1-12-60

LIDSKIY, V.B.

Conditions of completeness of a system of root-subspaces in
non-self-conjugated operators with a discrete spectrum.
Trudy Mosk.mat.ob-va 8:83-120 '59. (MIRA 13:2)
(Functional analysis)

16(1)

AUTHOR:

Lidskiy, V.B.

SOV/20-125-3-5/63

TITLE:

Non-Selfadjoint Operators With Trace (Nesamosopryazhennyye
operator, imeyushchiye sled)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 485-487 (USSR)

ABSTRACT:

According to M.G. Kreyn [Ref 2_] the trace of an operator C is
the sum $\sum_{i=1}^{\infty} (C\varphi_i, \varphi_i)$, where φ_i is an orthogonal normed
basis.

Theorem : Let C possess a trace. Then independently of the basis
it holds

$$\sum_{i=1}^{\infty} (C\varphi_i, \varphi_i) = \sum_{s=1}^{\infty} \lambda_s,$$

where λ_s are the eigen values of C .

Theorem : Let $C = C_R + i C_1$ possess a trace and let $C_R \geq 0$.
Then the system of the eigen- and adjoint elements of C , be-
longing to the spectrum points different from zero, is complete

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Non-Selfadjoint Operators With Trace

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in the range of the operator.

Theorem : Let the complete operator T possess only zero as spectrum point, the operator T^k is assumed to have a trace.

Then $(R_\lambda f, g) = ((E - \lambda T)^{-1} f, g)$ for arbitrary fixed f and g is an entire function of at most k -th order of growth and of minimum type.

The author mentions M.S. Livshits, B.R. Mukminov. He thanks M.V. Keldysh, Academician, and I.M. Gel'fand, Corresponding Member of the AS, USSR for their attention shown for the paper. There are 12 references, 9 of which are Soviet, 2 American and 1 German.

ASSOCIATION: Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physico-Technical Institute)

PRESENTED: December 17, 1958, by M.V. Keldysh, Academician

SUBMITTED: November 23, 1958

Card 2/2

LIDSKIY, Viktor Borisovich; GVSYANNIKOV, Lev Vasil'yevich; TULAYKOV, Anatoliy Nikolayevich; SHABUNIN, Mikhail Ivanovich. Prinimali uchastiye: ABRAMOV, A.A.; BOCHEK, I.A.; YEVGRAPOV, M.A.; ZYKOV, A.A.; KARABEGOV, V.I.; KARIMOVA, Kh.Kh.; KUDRYAVTSEV, L.D.; KUTASOV, A.D.; SHURA-BURA, M.R.; SHCHEGLOV, M.P. SOLODKOV, V.A., red.; KRYUCHKOVA, V.N., tekhn.red.

[Problems in elementary mathematics] Zadachi po elementarnoi matematike. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 463 p. (MIRA 14:1)

(Mathematics--Problems, exercises, etc.)

LIDSKIY, V.B.

Non-self-conjugate operator of the Sturm-Liouville type with
a discrete spectrum. Trudy Mosk.mat.ob-va 9:45-79 '60.

(MIRA 13:9)

(Operators (Mathematics))

30167

16.4600

S/020/60/132/02/09/067

AUTHOR: Lidskiy, V. B.

TITLE: Summation of Series Over the Main Vectors of Non-selfadjointed Operators

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 2, pp. 275-278

TEXT: Let C be a linear completely continuous operator in the Hilbert space H_0 . Let $\lambda_1, \lambda_2, \dots, \lambda_s, \dots$ be the characteristic numbers of C and let

(1) $\bar{e}_1, \bar{e}_2, \dots, \bar{e}_s, \dots$

be the system of the corresponding eigen- and adjoint vectors (principal vectors) of C. To every $f \in H_0$ there corresponds the formal Fourier series

(6) $\bar{f} \sim \sum_{s=1}^{\infty} c_s \bar{e}_s$

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S/044/61/000/012/015/054
C111/C333

AUTHOR: Lidskiy, B. V.

TITLE: Non-selfadjoint operator of Sturm-Liouville type with discrete spectrum

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 30-31, abstract 12 B 133. ("Tr. Mosk. Matem. o-va", 1960, 2, 45-49)

TEXT: The author considers the non-selfadjoint differential operator L connected with the equation

$$-y'' + p(x)y = \lambda y$$

which acts in $L^2(-\infty, \infty)$. Assume that $p(x) = q(x) + ir(x)$, where $q(x)$ and $r(x)$ are real functions which are summable on every finite interval of the real axis. Conditions are determined under which the spectrum of L is discrete, furthermore, conditions that the system of the corresponding radical subspaces is complete. The following assertions are proved:

I. Assume that one of the following conditions is satisfied: 1.) $q(x)$

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Non-selfadjoint operator of . . .

is bounded on every finite interval; $\lim_{|x| \rightarrow \infty} q(x) = +\infty$

2.) $q(x)$ and $r(x)$ are bounded on every finite interval; $\lim_{|x| \rightarrow \infty} r(x) = +\infty$ ✓

(or $-\infty$). Then L possesses a completely continuous resolvent and consequently a discrete spectrum.

II. If $q(x)$ is bounded from below in every finite interval and if

$$\overline{\lim}_{|x| \rightarrow \infty} \frac{q(x)}{|x|^\alpha} = c_0 > 0$$

for a certain $\alpha > 0$, then for the completeness of the system of eigen and adjoint functions of L in $L^2(-\infty, +\infty)$ it is sufficient that

$$\lim_{|x| \rightarrow \infty} \frac{|r(x)|}{q(x)} = 0$$

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Non-selfadjoint operator of . . .

III. If $q(x)$ is bounded from below, $r(x)$ -- semibounded, and if

$$\liminf \frac{q(x) + |r(x)|}{|x|^\alpha} \geq c > 0$$

for a certain $\alpha > \frac{2}{3}$, then L possesses a discrete spectrum and a complete system of eigen and adjoint functions.

[Abstracter's note: Complete translation.]

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LIDSKIY, Viktor Borisovich; OVSYANNIKOV, Lev Vasil'yevich; TULAYKOV,
Anatoliy Nikolayevich; SHABUNIN, Mikhail Ivanovich; SOLODKOV,
V.A., red.; KRYUCHKOVA, V.N., tekhn. red.

[Problems in elementary mathematics] Zadachi po elementarnoi
matematike. Izd.2., stereotipnoe. Moskva, Gos. izd-vo
fiziko-matem. lit-ry, 1962. 463 p. (MIRA 15:3)
(Mathematics--Problems, exercises, etc.)

LIDSKIY, V.B. (Moskva); NEYGAUZ, M.G. (Moskva)

Use of the selection method in the case of a self-adjoint system
of second order. Zhur. vych. mat. i mat. fiz. 2 no.1:161-165
Ja-F '62. (MIRA 15:3)
(Differential equations) (Boundary value problems)

LIDSKIY, V.B.

"The theory of ordinary differential equations" by J.C.Burkill.

Reviewed by V.B.Lidskii. Zhur.vych.mat.i mat.fiz. 2 no.4:728

Jl-Ag '62.

(MIRA 15:8)

(Differential equations) (Burkill, J.C.)

LIDSKIY, V.B.

Summability of series over the principal vectors of
non-self-adjoint operators. Trudy Mosk. mat. ob-va 11:
3-35 '62. (MIRA 15:10)
(Series) (Operators (Mathematics))

LIDSKIY, Viktor Borisovich; OVSYANNIKOV, Lev Vasil'yevich; TULAYKOV, Anatoliy Nikolayevich; SHABUNIN, Mikhail Ivanovich; BAYEVA, A.P., red.; KRYUCHKOVA, V.N., tekhn. red.

[Problems in elementary mathematics] Zadachi po elementarnoi matematike. Izd.3., ispr. i dop. Moskva, Fizmatgiz, 1963.
415 p. (MIRA 17:2)

100-20 EWT(d) Pa-L 107
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... ..

... the topological structure of regions of stability of a self-conjugate
... differential equations with periodic coefficients

... AN SSSR. Doklady, v. 161, no. 4, 1965, 764-766

TOPIC TAGS: topological space, ordinary differential equation

ABSTRACT: A real linear system of $2k$ differential equations is considered:

$$Q(t) \frac{dy}{dt} - \left\{ S(t) - \frac{1}{2} \frac{d}{dt} Q(t) \right\} y = 0, \quad (1)$$

where $Q(t)$ is a non-degenerate skew-symmetric matrix, $Q'(t) = -Q(t)$, and $S(t)$ is a
matrix, $S'(t) = S(t)$ with elements which depend periodically on parameter
 t , $S(t + \omega) = S(t)$. The matrices of the functions $S(t)$ and $Q(t)$ are
assumed to be piecewise continuous. The system is said to be stable if all of its
solutions are bounded when $t \rightarrow \infty$. It is strongly stable if it is stable and all
systems of the same form that are sufficiently near it have this property. The

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structure of the regions of stability of (1) is studied and it is proved that for $k > 1$ there exists only a finite number of classes of topologically equivalent strongly stable systems. "The authors express their acknowledgement to F. A. Berezin for his attention to this work." Orig. art. has: 20 formulas.

ASSOCIATION: Moskovskiy fiziko-tekhnicheskii institut (Moscow Physicotechnical Institute)

SUBMITTED: 02Nov64

ENCL: 00

SUB CODE: MA

NO REF SOV: 005

OTHER: 001

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I 22019-66 EWT(d) LJP(c)
ACC NR: AP6005007

SOURCE CODE: UR/0208/66/006/001/0052/0060

21

AUTHOR: Lidskiy, V. B. (Moscow)

13

ORG: none

TITLE: Theory of perturbations of ^{16, 44, 5} non-self-adjoint operators

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 1, 1966, 52-60

TOPIC TAGS: unitary space, linear operator, eigenvalue

ABSTRACT: Using the idea that the secular equation

$$P(\lambda, \epsilon) = \text{Det}(\lambda E_N - C(\epsilon)) = 0 \quad (1)$$

can be reduced to the form

$$P(\mu, z) = 0, \quad (2)$$

by the substitution

$$\frac{\lambda - \lambda_0}{\epsilon} = \mu, \quad z = \epsilon^{1/n} \quad (3)$$

when the operator A has Jordan cells of order l , the author obtains a simple proof of

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the theorem concerning expansion into series of powers of $\epsilon^{1/l}$ for the eigenvalue $\lambda(\epsilon) = A + \epsilon B$ where $\lambda(\epsilon)$ is close to λ_0 , the eigenvalue of A corresponding to the radical subspace S_{λ_0} , where A and B are two linear operators in unitary N-dimensional space Ω . He also writes explicit secular equations for first approximations to the eigenvalues and a system for determining 0 approximations to the eigenvalues of the perturbed operator. Orig. art. has: 32 formulas.

SUB CODE: 12/

SUBM DATE: 09Apr65/

ORIG REF: 005

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ACC NR: AP6034791

SOURCE CODE: UR/0039/66/071/001/0048/0064

AUTHORS: Lidskiy, V. B. (Moscow); Frolov, P. A. (Moscow)

ORG: none

TITLE: The structure of stability domains for a self-conjugate system of differential equations with periodic coefficients

SOURCE: Matematicheskiy sbornik, v. 71, no. 1, 1966, 48-64

TOPIC TAGS: differential equation, system analysis, topology, linear system, operations research

ABSTRACT: The topological structure of stability domains of linear systems is developed. The linear systems considered are those in the form

$$Q(t)y - \left(S(t) - \frac{1}{2} \dot{Q}(t) \right) y = 0,$$

where $Q(t)$ is a nondegenerate oblique Hermite matrix: $Q^*(t) = -Q(t)$, $S(t)$, a Hermite matrix: $S^*(t) = S(t)$, y is an unknown column vector of order n , and differentiation is indicated by the asterisk. The stability of this system is analyzed for both real and complex cases. It is noted that in the case of Hamiltonian systems the corresponding problem was solved by I. M. Gel'fand and V. B. Lidskiy (O strukture oblastey ustoychivosti lineynykh kanonicheskikh system differentsial'nykh uravneniy s periodicheskimi koeffatsiyentami, Uspekhi matem. nauk, X, vyp. 1 (63) (1955), 3--40).

UDC: 517.942.4

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ACC NR: AP6034791

and complex systems having a constant Q matrix are dealt with by V. A. Yakubovich (Stroyeniye funktsional'nogo prostranstva kompleksnykh kanonicheskikh uravneniy s periodicheskimi koeffitsiyentami, DAN SSSR, 139, No. 1, 1961, 54--57). In both cases an infinite number of domains of stability was found to exist. It is shown in the current article that highly stable systems with matrices $Q(t)$, dependent on t , are distributed over a finite number of conjugating components (domains of stability) in both the real and complex cases. The authors demonstrate that, for the system to be highly stable, it is necessary and sufficient that in each proper subspace S_ρ of the monodrome matrix $Y(\omega)$ the Hermite form (If, f) be definite, where

$$Y^*(\omega)Y(\omega) = I.$$

It is also shown that, in deforming the matrix of coefficients in this system, the loss of high stability occurs only with coincidence of multipliers of different order at the unit periphery of the domain. Algebraic formulations for computing the number of domains of stability and other characteristics are given. Orig. art. has: 20 equations and 5 figures.

SUB CODE: 12/ SUBM DATE: 28May65/ ORIG REF: 007/ OTH REF: 005

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LIDSKIY, Yu. [Lids'kyi, Iu.]

Tortoise islands. Znan. ta pratsia no. 10:12 0 '60. (MIRA 14:4)
(Galapagos Islands—Zoology)

LIDSKIY, Yu. [Lids'kyi, IU.]

Wonderful stone. Znan. ta pratsia no. 1:20-21 Ja '61. (MIRA 14:4)
(Kaliningrad Province--Amber)

26220

S/103/61/022/009/001/014
D206/D304

16,8000 (1031,1121,1344)

AUTHORS: Krasovskiy, N.N., and Lidskiy, Z.A. (Sverdlovsk)

TITLE: Analytical design of controllers in systems with random properties

PERIODICAL: Avtomatika i telemekhanika, v. 22, no. 9, 1961, 1145 - 1150

TEXT: This is a short analytical analysis of a control system undergoing random changes and subjected to random interference, whose bloc diagram is shown in Fig. 1. In it $z(t)$ is the controlled -vectorial quantity, $z_0(t)$ - the required magnitude of this quantity, $x(t) = z(t) - z_0(t)$ - error vector $g(t)$ - activating force $(\xi + \xi)$ - excitation of the regulator, $\gamma(t)$ - interference, $\eta(t)$ - factor determining the random changes in the controlled load A. The quantity ξ is assumed to be known. If between the components x_i of error vector $x(t)$, there exists components not equal to zero

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Analytical design of ...

the stage B produces an additional stabilizing force ξ which governs the transient. The aim of the present article is the analytical determination of quantity ξ . The law of control of $\xi(x, \eta)$ will be determined from the conditions for the minimum of integral evaluation of quality. It is assumed that the equations of the random process in the system written in the coordinates x_i of the error vector $x(t)$, have the form

$$\frac{dx_i}{dt} = \varphi_i[x_1, \dots, x_n, \eta(t), \xi] + \gamma_i, \quad \xi = \xi[x_1, \dots, x_n, \eta]. \quad \begin{matrix} (1.1) \\ (1.2) \end{matrix}$$

Function φ_i is assumed to be known and continuous. The function $\eta(t)$ is a random function determining the behavior of stage A at various instant of time t . $P[L/Q]$ is assumed to be the probability of occurrence of L under the condition Q and $M[l/q]$ the mathematical expectation of a random quantity l under the condition Q . Denoting by $O(\epsilon)$ a quantity of a higher small order than quantity ϵ and by $o(\epsilon)$ - a small quantity of the same ϵ order, the random

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changes of $\eta(t)$ are described by functions $q(\alpha)$ and $q(\alpha, \beta)$. Functions $q(\alpha)$ and $q(\alpha, \beta)$ satisfy $q(\alpha, -\infty) = 0$, $q(\alpha, \infty) = q(\alpha)$. If $\eta(t)$ can assume only one of the values of $k = (\alpha_1 \dots \alpha_k)$ then to describe the process it is enough to know the transfer matrix $\{p_{ij}\}$ where

$$P[\eta(t + \Delta t) = \alpha_j / \eta(t) = \alpha_i] = p_{ij} \Delta t + o(\Delta t),$$

$$q(\alpha_i) = \sum_{j=1}^k p_{ij}, \quad q(\alpha_i, \beta) = \sum_{j=1}^m p_{ij} \quad \text{FOR } \alpha_m < \beta < \alpha_{m+1}. \quad (2.3)$$

If the function $q(\alpha, \beta)$ has the probability density $q(\alpha, \beta) =$

$$= \int_{-\infty}^{\beta} p(\alpha, v) dv, \text{ then}$$

$$P[\beta_i < \eta(t + \Delta t) < \beta_s, \eta(t + \Delta t) \neq \alpha / \eta(t) = \alpha] = \Delta t \int_{\beta_i}^{\beta_s} p(\alpha, v) dv + o(\Delta t). \quad (2.4)$$

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It is further assumed that it is possible to measure $\eta(t)$ and that it is applied to stage B without distortion and delay. Interference γ at the input is assumed to be in the form of random pulses resulting in step changes of the output $\Delta_{\mu} x_i \approx v_i$, where v_i a random quantity, μ_i a known function. The mean value of v_i is assumed to be zero, the dispersion $M \{v_i^2\} = \sigma_i^2 \geq 0$ and the correlation coefficients k_{ij} ($M \{v_i v_j\} = k_{ij} \sigma_i \sigma_j$) are assumed to be known and only the limiting case of the interference, $\lambda \rightarrow \infty$, $\sigma_i \rightarrow 0$ at $\lambda \sigma_i^2 = \text{const}$ is considered. If therefore a certain function $\omega[x_1, \dots, x_n, \eta, \xi]$ is given which determines the criteria for the transient process

$$I_{\xi} [x_0, \eta_0] = \int_0^{\infty} M \{ \omega/x_1 = x_{10}, \dots, x_n = x_{n0}, \eta = \eta_0 \text{ for } t = t_0 = 0 \} dt, \quad (3.1)$$

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where $\omega = \omega[x_1(t), \dots, x_n(t), \eta(t), \xi(x(t), \eta(t))]$ the problem is to find the function $\xi = \xi^0(x_1, \dots, x_n, \eta)$ so that the solutions $x(t)$ of system (1.2) and (1.1) satisfy the following conditions:
a) The given movement $x = 0$ has a probability stability; b) The errors (x_{10}) possible in the system, should result in a process,

asymptotically stable in its probability correspondingly $x = 0$;
c) The integral Eq. (3.1) for a given control $\xi = \xi^0(x, \eta)$ should have a minimum when compared with its values determined by another ξ . In the 2nd part of the article an approximate method of optimizing the function v is given, in the third part the problem of the minimum r.m.s. error is solved for linear systems. The authors acknowledge the help of A.M. Letov. There are 1 figure, and 32 references: 28 Soviet-bloc and 4 non-Soviet-bloc. [Abstractor's note: 3 of the Russian-language references are translations from English] The 4 references to the English-language publications read as follows: Bellman R. Glicksberg, J. Gross O., Some Aspects of the Mathematical Theory of Control Processes, Project Rand 1958; R. Bell-

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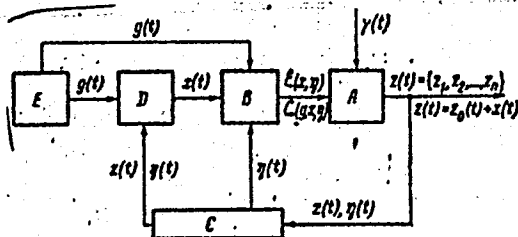
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D206/D304

Analytical design of ...

man, Glicksberg J., O. Gross. On the 'Bang-Bang' control Problem. Quarterly Applied Mathematics vo. 14, no. 1, April 1956; R.E. Kolman, and J.E. Bertram, Control Systems Analysis and Design via the 'Second Method' of Lyapunov, Paper Amer. Soc. Mech. Eng. No. Nac - 2, 1959; J. LaSalle, Time Optimal Control Systems. Proc. of the National Acad. of Sciences. vol. 45, no. 4, 1959.

SUBMITTED: March 18, 1961

Fig. 1.



Card 6/6

LIDTKE, W.

"THE Meadows of the Masovian Lowlands in Respect to Phytosociology and Agricultural Economy."
p. 191, (ROCZNIKI NAUK ROLNICZYCH. SERIA A-ROSLINNA, Vol. 66, no.2, 1953, Warsaw, Poland).

SO: Monthly List of East European Accession, Lib of Congress, Vol 2, no 19 Oct. 1953, Uncl.

LIDTKE, Włodzimierz

Grass seed mixtures for lea grasslands in the light of experiences and practice in southeastern Canada (Quebec Province). Postepy nauk roln 9 no.1:121-134 Ja-F '62.

1. Katedra Uprawy Lak i Pastwisk, Wyzsza Szkola Rolnicza, Wroclaw.

LIDUCHOWSKI, Leonard, mgr inz.; PARTYKA, Marian, mgr inz.

Some remarks on mechanization indexes in collieries. Wiadom gorn
16 no.2:57-59 F '65.

ZHURAVLEV, V.M.; LIDUMS, A.K.

Boltless fastener for the lining of a ball mill. Tsement 30
no.1:19-20 Ja-F '64. (MIRA 17:8)

1. Rizhskiy tsementnyy zavod.

LIDUMS, L.

Methods of determining differential land rent on collective farms of the Latvian S.S.R. Izv. AN Latv. SSR no.10:45-54 '62. (MIRA 16:1)

1. Institut ekonomiki AN Latviyskoy SSR.

(Latvia--Rent(Economic theory))
(Latvia--Collective farms--Accounting)

KAPLANSKAYA, Yuliya Moiseyevna; LIDVANSKIY, Anatoliy Mikhaylovich, MANUSHIN, Nikolay Fedorovich; VOSKOBOYNIK, D.I., doktor tekhn.nauk, red.; MANOLE, M.G., red.; MURASHOVA, N.Ya., tekhn.red.

[Brief German-Russian dictionary of nuclear physics and technology]
Kratkii nemetsko-russkii slovar' po iadernoi fizike i iadernoi tekhnike. Moskva, Gos.izd-vo tekhniko-teoret. lit-ry, 1958. 303 p.
(Nuclear physics--Dictionaries) (MIRA 11:3)
(German language--Dictionaries--Russian)

LIDWIN, A.

LIDWIN, A. Scientific and technical conference on network construction. p. 330.

Vol. 9, No. 6, Nov./Dec. 1955

ENERGETYKA

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

LIDWIN, Antoni, mgr inz.

Protection systems and safety relays of electric power
networks in France. Pt.2. Energetyka Pol 17 no.12:368-
372 D'63.

is substituted into the partial differential equation, one obtains an infinite system of ordinary linear differential equations for the u_n and v_n . The solutions of this system are called functions of the epicycloidal cylinder.

A. Erdélyi (Pasadena, Calif.)

LIDZAR, P. S.

ACCESSION NR: AT4011518

S/2531/63/000/146/0058/0064

AUTHOR: Makhotkin, L. G.; Lydzar, P. S.

TITLE: Approximate estimate of thunderstorm distance from amplitudes of atmospheric

SOURCE: Leningrad. Glavn. geofiz. observatoriya. Trudy*, no. 146, 1963.
Atmosfernoye elektrichestvo, 58-64TOPIC TAGS: atmospheric radio noise, atmospheric, thunderstorm, lightning
flash recorder, lightning, meteorology

ABSTRACT: It is demonstrated on the basis of experimental and theoretical data that the logarithm of distance to nearby thunderstorms can be estimated approximately. The scale for estimation of distance approximately corresponds to a geometric progression with the denominator 2. The work of Inyanitov and Horner in this field is discussed. The possibility of such an estimate from a single station using a set of very simple instruments (lightning recorders) is confirmed by the authors by computations. When several thunderstorms are situated along a single azimuth from the station it is only possible to determine distance to the nearer center of activity. Stations where lightning recorders are used should always have several identical instruments with different triggering thresholds.

Card 1/2

ACCESSION NR: AT4011518

Data recorded by several instruments greatly enhance the value of observations.
Orig. art. has: 11 formulas, 1 figure and 3 tables.

ASSOCIATION: GLAVNAYA GEOFIZICHESKAYA OBSERVATORIYA, LENINGRAD (Main Geophysical
Observatory)

SUBMITTED: 00

DATE ACQ: 20Feb64

ENCL: 00

SUB CODE: AS

NO REF SOV: 007

OTHER: 004

Card 2/2

LIDZHI, A.

Urgent problems in the safeguarding of labor. p. 1.
ELEKTROENERGIJA, Sofiya, Vol. 6, no. 5, May 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

LIDZHI, L.

LIDZHI, L. Comment on S. Serafimov and T. Lukanov's rukovodstvo za upravheniia na khimichna tekhnologlia na tekstinite materiali (Handbook on exercises in chemical technology of textile materials); a textbook review. p. 48.

Vol. 5, No. 5, 1956.

LEKA PROMISHLENOST.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

BULGARIA/Chemical Technology. Chemical Products and Their
Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15352.

Author : Dalev D., Lidzhi L., Bayev K., Danchev D.

Inst : Bulgarian Academy of Sciences.

Title : Use of Sodium Alginate to Ameliorate the Technology
of Concrete Mixes

Orig Pub: Dokl. Bolg. AN, 1957, 10, No 2, 117-119

Abstract: Na-alginate improves the structure of concrete, increases
its plasticity and density, promotes enhanced impermeabi-
lity to water, resistance to frost and chemical stability.
Na-alginate added in an amount of 0.01-0.05% of the weight
of cement, increases compression strength at the age of
28 days up to 8%. Concrete with added Na alginate does
not undergo stratification on jarring.

Card : 1/1

LIDZHI, M.;

AGRICULTURE

Periodical KOOPERATIVNO ZEMEDELIE. No. 10, Oct. 1958.

LIDZHI, M.; TSEKOV, A. The place of stockbreeding in a fuller and proportional use of the workers and the increase of the income of the cooperators. p. 7.

Monthly List of East European Accessions (EEAI) LC' Vol. 8, no. 3, March, 1959. Uncl.

LIDZHI, Marko, starshi nauchen sutrudnik

Fifth Scientific Conference of the Research Institutes
of Agricultural Economy in Socialist Countries. Selskostop
nauka 3 no. 1:84-86 '64.

LIEBE O.

HUNGARY / Chemical Technology. Chemical Products and Their
Application. Fats and oils. Waxes. Soap. Detergents.
Flotation reagents

J-11

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 6075

Author : Liebe Otto

Inst : Not given

Title : Use of Alkyl Sulfonates in the Fat Industry and Chemistry
of Household Products

Orig Pub : Olaj, szappan, kozmetika, 1955, September-October, 6-7

Abstract : Laboratory investigations have demonstrated that the use
of alkyl sulfonates, in lieu of FAG catalyst formerly
utilized in the Hungarian industry, in the cleavage of
beef fat according to Twitchell, makes it possible to at-
tain the same extent of cleavage twice as fast.

Card 1/1

S/262/62/000/020/009/009
E194/E135

AUTHORS: Meurer, Siegfried, and Liebel, Julius

TITLE: High speed diesel engine

PERIODICAL: Referativnyy zhurnal, Silovyye ustanovki, no.20, 1962,
48-49, abstract 42.20.294.P. (East German pat., cl.46a²,
86, no.21998, September 25, 1961)

TEXT: The diesel engine which is patented has a pre-combustion chamber in the cylinder head. The chamber is in the shape of a sphere or other solid of rotation and it is connected to the space above the piston by several ducts which, at the point where they enter the chamber, are nearly tangential to its inner surface. The nozzle fitted in the chamber directs a jet of fuel along the chamber walls where it is completely volatilised by air, which also passes along the walls. The fuel air mixture which ignites in the chamber is ejected into the space above the piston along with fuel vapours. It is considered that combustion takes place without preliminary dissociation of the molecules and the engine runs very smoothly.

Card 1/1 [Abstractor's note: Complete translation.]

LIEBENBERG, Otto, prof. dr

Aims and tasks of the newly organized German Association of Agricultural Sciences. Postepy nauk roln 9 no.2:185-186
Mr-Ap '62.

1. Dyrektor Instytutu Hodowli i Mleczarstwa, Uniwersytet im. Karola Marxa, Lipsk; przewodniczący Niemieckiego Towarzystwa Nauk Rolniczych, Niemiecka Republika Demokratyczna.

LIEBENOW, W.; Stahmann, G.

Schonhagen. p. 18.

(ARIPILE PATRIEI. Vol. 3, no. 7, July 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

LIEBENOW. W.

The first glider contest in the German Democratic Republic.

P. 594 (Kridla Vlasti; No. 19, Sept. 1957, Prhaa, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

LIEBHART, Stanislaw; KRYSOSIK, Jerzy

Desulfin therapy of inflammatory diseases in gynecology and
obstetrics. Pelski tygod. lek. 16 no.6:214-217 6 F '61.

1. Z I Kliniki Położnictwa i Chereb Kobięcych Wydziału Lekarskiego
A.M. W Lublinie; kierownik: prof. dr med. Stanislaw Liebhart.

(SULFONAMIDES ther) (GYNECOLOGY ther)

HUNGARY

BARTHA, A., JUHASZ, Magdalene, LIEBERMANN, H.: University of Veterinary Sciences, Department of Epizootiology (chairman: MESZAROS, J.) (Allatorvostudományi Egyetem, Jarvanytani Tanszek), Budapest, and Friedrich Loeffler Institute of the German Academy of Agricultural Sciences (DAL -- Deutsche Akademie der Landwirtschaftswissenschaften) (president: ROHRER, H.) Insel Riems bei Greifswald [original language version not given].

"Isolation of a Bovine Herpesvirus From Calves With Respiratory Disease and Keratoconjunctivitis. Preliminary Report."

Budapest, Acta Veterinaria Academiae Scientiarum Hungaricae, Vol XVI, No 3, 1966, pages 357-358.

Abstract: [English article] Two to four weeks after recovery from epidemic pneumoenteritis, involving 1-4 month -old calves and caused by type 4 bovine adenovirus, about half of the surviving animals developed severe keratoconjunctivitis followed by ulceration and total loss of sight. Out of 5 samples taken from the discharge, one virus strain was isolated other than the type 4 adenovirus: bovine herpesvirus. The isolation and properties of the latter are described briefly. Attempts to produce keratoconjunctivitis in calves with the isolated virus were unsuccessful. This, however, does not exclude their possible pathogenic role under different conditions. Attention is called to the need of examining the incidence and possible etiological role of undescribed herpesviruses in the numerous respiratory and ophthalmological affections of calves encountered recently. No references. [Manu-

LIEBERMANN, Lucy

One-sided dominance; problem of handedness. *Gyermekgyógyászat* 5
no.6:161-169 June 54.

1. A Budapesti Orvostudományi Egyetem I. számú Gyermekklinikájának
közleménye. (Igazgató: dr. Gagesi Kiss Pál egyetemi tanár)
(HANDEDNESS,)

P.-LIEBERMANN, Lucy

Cases of educational guidance. Gyermekgyogyaszat 7 no.4:
104-107 Apr 56.

1. A Budapesti Orvostud. Egyetem I. sz. Gyermekklin. (igaz.
:Dr. Gagesi-Kiss, Pal) kozl.

(CHILD PSYCHOLOGY

psychother., problems of guidance & counselling
in unusual cases. (Hun))

(MENTAL HYGIENE

child guidance & counselling, problems in unusual
cases. (Hun))

LIEBERMANN, Lucy P.

Paediatric concepts in child psychology. Acta med. hun. 15 no.1:
257-263 '60.

1. 1st Department of Paediatrics, University Medical School, Budapest.
(CHILD PSYCHOLOGY)

ERDOS, Zoltan, dr.; LIEBERMANN, Lucy

On personality changes after tuberculous meningitis. *Gyermekgyógyászat*
12 no.12:353-356 D '61.

1. A Budapesti Orvostudományi Egyetem I. sz. Gyermekklinikájának közle-
menye. Igazgató: Gegesi Kiss Pál dr., akadémikus, egyetemi tanár.

(TUBERCULOSIS MENINGEAL psychol)

P.LIEBERMANN, Lucy

An account of my study trip to the Soviet Union. Magyar pszichol szemle
18 no.3:347-351 '61.

1. "Magyar Pszichologiai Szemle" szerkeszto bizottsagi tagja.

KISS, P. Gegesi; LIEBERMANN, Lucy

Personality disorders accompanied by vegetative (somatic) symptoms
in childhood. Acta paediat. acad. sci. hung. 3 no.2:99-149 '62.

1. First Department of Paediatrics (Director, Prof. P. Gegesi Kiss),
University Medical School, Budapest.
(CHILD PSYCHOLOGY) (PERSONALITY)

GEGESI KISS, Pal, akademikus; P. LIEBERMANN, Lucy

Diseases of the organs developed on the psychic effect of the environment and their treatment in childhood. Biol orv kozl MTA 13 no.3:253-296 '62.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika.
2. "Magyar Orvostudományi Társaság Közleményei" szerkesztő bizottsági tagja (for Gessi Kiss).

P. LIEBERMANN, Luc (Budapest, VIII., Bokay Janos u.53)

Sphere of activity of the Subcommittee on Methodology. Magyar pszichol szemle 17 no.2:152-154 '60.

1. Magyar Tudomanyos Akademia Pszichologiai Bizottsaga Modszertani Albizottsaga elnoke; "Magyar Pszichologiai Szemle" szerkeszto bizottsagi tagja.

P.LIEBERMANN, Lucy

Tasks of the Subcommittee of Methodology. Magyar pszichol szemle
17.no.3:290-292 '60.

1. Magyar Tudományos Akademia Pszichologiai Bizottsaga Modszertani
Albizottsaga elnoke; "Magyar Pszichologiai Szemle" szerkeszto
bizottsagi tagja.

P. LIEBERMANN, Lucy

An account of the International Congress of Psychotherapy held in Vienna, August 20-27, 1961. Magyar pszichol szemle 19 no.2:201-207 '62.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika; "Magyar Pszichológiai Szemle" szerkeszto bizottsagi tagja.

GEGESI KISS, Pal, dr., akademikus; RETI, Laszlo, dr.; HARSANYI, Istvan, dr.;
LIEBERMANN, Lucy P.; GARAI, Laszlo; PERCZEL, Jozsef, dr.; KARDOS,
Lajos, dr.; MOLNAR, Imre, dr.; HORVATH, Laszlo Gabor, dr.;
LENARD, Ferenc, dr.; SALAMON, Jenő, dr.

Hungarian achievements in the field of psychology in 1961; also,
remarks by Laszlo Reti, Istvan Harsanyi, Lucy Liebermann, Laszlo
Garai, Jozsef Perczel, Lajos Kardos, Imre Molnar, Laszlo Gabor
Horvath, Ferenc Lenard and Jenő Salamon. Magyar pszichol szemle
19 no.3:274-314 '62.

1. Magyar Tudományos Akadémia Pszichológiai Bizottsága elnöke,
és "Magyar Pszichológiai Szemle" főszerkesztője (for Gegesi Kiss).
2. "Magyar Pszichológiai Szemle" szerkesztő bizottsági tagja (for
Liebermann, Kardos, Molnar, Lenard).
3. "Magyar Pszichológiai
Szemle" technikai szerkesztője (for Lenard).

GEGESI KISS, Pal, dr.; LIEBERMANN, Lucy

Personality disorders accompanied by vegetative (somatic) symptoms in childhood. Magyar pszichol szemle 19 no.2:129-149 '62.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika.
2. Magyar Tudományos Akadémia Pszichológiai Bizottságának elnöke; "Magyar Pszichológiai Szemle" főszerkesztője (for Gegeai Kiss).
3. "Magyar Pszichológiai Szemle" szerkesztő bizottsági tagja (for P. Liebermann).

KISS, P. Gegesi; LIEBERMANN, Lucy

Interpretation of some personality disorders in childhood. Acta
pediat. 4 no.1:1-21 '63.

1. First Department of Paediatrics (Director, Prof. P. Gegesi Kiss),
University Medical School, Budapest.

(CHILD BEHAVIOR DISORDERS) (PSYCHOSOMATIC MEDICINE)
(GIARDIASIS) (STOMACH ULCER) (DYSPEPSIA) (ASTHMA)
(EPILEPSY) (ENCEPHALITIS) (ACROMEGALY) (SOCIOPATHIC PERSONALITY)

KISS, P.Gegesi; LIEBERMANN, Lucy P.

On the influence of pre-trial, investigative and forensic procedures on the personality of child and adolescent criminals. Acta paediat. acad. sci. Hung. 4 no.3:249-271 '63.

I. I. Kinderklinik (Direktor: Prof. Dr. P. Gegesi Kiss) der Medizinischen Universität, Budapest.

*

HUNGARY

GEGESI KISS, Pal, and P. LIEBERMANN, Lucy, of the Children's Clinic No 1 (I. szamu Gyermekklinika) of the Budapest Medical University (Budapesti Orvostudományi Egyetem).

"Difficulties in the Evaluation of Certain Childhood Personality Disturbances"

Budapest, A MTA Biológiai és Orvosi Tudományok Osztályának Közleményei, Vol 14, No 1, 1963; pp 15- 39.

Abstract: In evaluating children's personality disturbances, a so-called "total diagnosis" is imperative. This includes the evaluation of vegetative, psychological and environmental picture. Authors present 6 case histories of children ranging from six to 16 years of age. In each case there is a description of the complaint, symptomology, medical history, psychological findings (biological factors, intellect, emotional state, environmental state), diagnosis and therapeutic results, if any. The general conclusion is that it is not possible in every case to carry out in practice a therapy indicated by theoretical considerations.

1/1

HUNGARY

GEGESI KISS, Pal, M.D., Professor, Academician, and P. LIEBERMANN, Lucy, of the First Pediatric Clinic at the Medical University (Orvostudományi Egyetem I. sz. Gyermekklinika) in Budapest (Director: GEGESI KISS, Pal).

"General Behavioral Disorders During the Infantile Age"

Budapest, Magyar Pszichológiai Szemle, Vol 20, No 1, 1963, pp. 1-46.

Abstract: Eighteen cases of behavioral disorder in children were described in detail and an analysis of the clinical findings was presented. The effects of family environment, schools, and other influencing factors were discussed. Finally, medical and psychological methods for correcting the disorders encountered were reviewed. No references.

1/1

GEGESI Kiss, Pal, dr., egyetemi ~~tanár~~, akadémikus; P. LIEBERMANN,
Lucy

Significance of school injuries in the disorders of personality
in childhood and adolescence. Magyar pszichol szemle 21 no.1:
1-40 '64.

1. No. 1 Children's Clinic, Budapest Medical University.
2. Director, No. 1 Children's Clinic, Budapest Medical University; Editor-in-Chief, "Magyar Pszichologiai Szemle" (for Gegesi Kiss).

GEGESI KISS, Pal, dr., akadémikus; HORANYI, Bela, dr.; BARTHA, Lajos, dr.;
HORVATH, Laszlo, Gabor, dr.; P.LIEBERMANN, Lucy; PERCZEL, Jozsef, dr.;
LENARD, Ferenc, dr.; CSIRSZKA, Janos, dr.; SEVERINI, Erzsebet, dr.;
KARDOS, Lajos, dr.

The 1962 work of the Committee on Psychology, Hungarian Academy of
Sciences. Magy pszichol szemle 20 no.3:337-386 '63.

1. Magyar Tudományos Akademia Pszichologiai Bizottsaga elnoke;
"Magyar Pszichologiai Szemle" foszerkesztoje (for Gegesi Kiss).
2. "Magyar Pszichologiai Szemle" szerkeszto bizottsagi tagja
(for Horanyi, Bartha, Horvath, P.Liebermann, Lenard and Kardos).

KISS, P. Géza; LIBERMAN, Lucy, P.

Somatic (organic) diseases followed by personality disorders in childhood. Acta paediat. acad. sci. Hung. 5 no.2:133-159 '67.

1. First Department of Paediatrics (Director: Professor P. Géza Kiss), University Medical School, Budapest.

GEGESI, MRS P.; LIEBERMANN, Lucy P.

Significance of harmful influences of the school in personality disorders in childhood and adolescence. Acta paediat. Acad. sci. Hung. 5 no.3: 245-302 '64

1. I Kinderklinik der Medizinischen Universität Budapest.

Alta, H. Gogosi: ALTA, 1964.

The effect of a violent disturbance of the normal development of sexuality on personality disorders in childhood and adolescence. Acta psychiat. acad. sci. Hung. 5 no.1:1-56 '64.

L. L. Minderlik (Direktor, Prof. Dr. H. Gogosi Kise) and
Medizinische Fakultät Budapest.

LIEBERMANN, Lucy, P.

SURNAME, Given Names

Country: [not given]

Academic Degrees: [not given]

Affiliation: [not given]

Source: Budapest, Magyar Pszichológiai Szemle, Vol 18, No 3, 1961, pp 347-351

Data: "Report of a Study Tour in the Soviet Union." [Institutions of Child-
psychology and Psychiatry Visited.]

GPO 981643

KISS, P. Gegesi; LIEBERMANN, Lucy

General disorders of attitude in childhood. Acta pediat. acad. sci.
hung. 3 no.4:297-347 '62.

1. First Department of Paediatrics (Director, Professor P. Gegesi
Kiss), University Medical School, Budapest.
(CHILD BEHAVIOR DISORDERS)

GEGESI Kiss, Pal, dr., egyetemi tanar, akadémikus; P. LIEBERMANN, Lucy

General behavioral abnormalities in childhood. Magy pszichol szemle 20 no.1:1-46 '63.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika igazgatója; "Magyar Pszichológiai Szemle" főszerkesztője (for Gegesi Kiss). 2. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika; "Magyar Pszichológiai Szemle" szerkesztő bizottsági tagja (for P. Liebermann).

GEGESI KISS, Fal, akadémikus; P. LIEBERMANN, Lucy

Difficulties in diagnosing certain disorders of personality in childhood. Biol orv kozl MTA 14 no.1:15-39 '63.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika.
2. "A Magyar Tudományos Akadémia Biológiai és Orvosi Tudományok Osztályának Közleményei" szerkesztő bizottsági tagja (for Gegesi Kiss).

KHES, Janos, dr.; LIEBERMANN, Todor, dr. az orvostudományok kandidátusa

Case of carcinosarcoma of hypopharynx. Magy. sebészet 7 no.6:
472-474 Dec 54.

1. Budapest Főváros Bajcsy-Zsilinszky Kórháza gégeosztályának
(Főorvos: Liebermann Todor dr.) és prosecturájának (Főorvos:
Jankovich László dr.) közleménye.

(PHARYNX, neoplasma
carcinosarcoma of hypopharynx)
(CARCINOSARCOMA
hypopharynx)

LIEBERMANN, Todor, Dr.

Unusual findings in thrombosis of cerebral sinuses. Ful orr *gegegyogy*
4 no.2:74-76 June 58.

1. A Fovarosi Bajcsy-Zsilinszky korház Ful-orr gegeosztalyanak (Foorvos:
Liebermann Todor dr.) kozlemenye.

(SINUS THROMBOSIS, case reports
unusual case (Hun))

LIEBERMANN, Todor, Dr.

Correction of nasal apex. Ful orr gegegyogy 4 no.2:95-96 June 58.

1. A Fovarosi Bajcsy-Zsilinszky kórház Ful-orr-gege osztályának
Főorvos: Liebermann Todor dr.) közleménye.

(NOSE, surg.

plastic, for correction of nasal apex, case report (Hun))

LIEBERMANN, Todor; SAGI, Tamas

Epipharyngeal plasmocytoma. *Ful orr gegegyogy* 4 no.3:124-129 Sept 58.

1. A Bajcsy-Zsilinszky Korhaz Ful-orr-gege-osztalyanak (Foorvos: Liebermann Todor dr.) es Prosecturajanak (Foorvos: Jankovich Iaszlo dr.) Kozlemenye.

(PHARYNX, neoplasms

plasma cell myeloma of nasopharynx (Hun))

(MYELOMA, PLASMA CELL

nasopharynx (Hun))

LIEBERMANN, Todor, dr.; SAGI, Tamas, dr.

Tumor of the outer ear obstructing the acoustic canal: otological case of benign cutaneous lymphadenosis. *Borogygy.vener.szemle* 35 no.6:279-282 D '59.

1. A Bajesy-Zsilinsky korhaz Gage-julosztalyanak (Foorvos: Liebermann Todor dr., kandidatus) es Prosecturajanak (Foorvos: prof. dr. Jankovich Laszlo) kozlemenye.

(LYMPHOMA case reports)

(EAR, EXTERNAL neoplasms)

SIMONYI, Janos, dr.; LIEBERMANN, Todor, dr.

Urogenic meningitis with isolated thrombosis of the transverse sinus caused by Klebsiella. Orv.hetil. 101 no.39:1395-1396 25 S '60.

I. Budapesti Bajcsy Zeilinszky Kozkorhas, Gegeszeti Osztaly es.

II. Belosztaly.

(SINUS THROMBOSIS case reports)

(KLEBSIELLA infect.)

(MENINGITIS case reports)

LIEBERMANN, Todor, dr.

Experiences with the "past pointing test" by Liebermann. Orv. hetil. 102
no.37:1741-1743 10 S '61.

1. Fovarosi Bajcsy-Zsilinszky Korhaz Ful-Orr-Gegeosztaly.

(NEUROLOGY diagnosis)

LIEBFELD, ALFRED.

"Polscy inżynierowie. Warszawa, Iskry. 1957. 266 p. (Polish engineers)

MIDW

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

LIEBFELD, Alfred, inz.

Book and culture and knowledge in engineering. Przegl techn 84 no.15:
3, 8 14 Ap '62.

LIEBFELD, Alfred, inz.

Technological unemployment and the "25-30-60 Now" demand.
Przegl techn 85 no.33:6 16 Ag'64.

LIEBFELD, Alfred, inz.

Father of mass production of cotton and weapons. Przegl
techn 85 no.52:9 27 D '64.

PTA

LIEBFELD, J

1949

628(438)(047)

Rudolf Z. Liebfeld J Report on the Work of the Sanitary Engineering Sub-Section of Engineering Science at the First Congress of Polish Science.

"Sprawozdanie z prac Podsekcji Techniki Sanitarnej Sekcji Nauk Inżyniersko - Budowlanych Pierwszego Kongresu Nauki Polskiej". Gaz Woda i Technika Sanitarna, No. 5, 1951, pp. 129--133.

The situation of sanitary engineering in pre-war Poland. The practical application of sanitary engineering carried the stigma of class distinction and the bourgeoisie. Post-war revolution. Subjects of work intended to contribute toward the implementation of the Six-Year Plan, and how this work can be practically applied. The necessity for close coordination of the program of scientific research with professional training. This coordination can only be carried out by a scientific institution, say, by the sanitary engineering nucleus of the Academy of Science.

LIEBFELD, J.

(GAZ, WODA I TECHNIEA SANITARNA, Vol. 28, No. 3, Mar. 1954, Warszawa, Poland)
"Some coefficients applied in designing town water-supply systems." p. 79.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

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