EWT(d Pg-4 IJP(c)

ACCESSION NR: AP5013262 UR/0361/65/000/001/0039/0048

AUTHOR: Khabibullin, A. A.

TITLE: Application of the reduction principle and the second method of Lyapunov differential equations in Banach spaces

SOURCE: AN KazSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1965. 39-48

TOPIC TAGS: Banach space, differential equation, stability

ABSTRACT: The author establishes sufficient conditions for stability, asymptotic stability, uniform stability, and instability of the first part of

$$\frac{dy}{dt} = \Phi(t, x, y),$$
$$\frac{dx}{dt} = F(t, x, y) \qquad (1)$$

for sufficiently small values of x. Here E is a Banach space and for x, y ∈ E

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ACCESSION NR: AP5013262

with $\|x\| \leq R$, $\|y\| \leq R$, where R is a given constant, $\Phi(t,x,y)$ and $F(t,x,y)$ have [illegible] in E. Orig. art. has: 23 formulas.

[illegible]: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MA

NO REF SOV: 003 OTHER: 000

Card 2/2

KHABIBULLIN, A.A.

A critical case for differential equations in Banach spaces. Izv. AN Kazakh. SSR. Ser. fiz.-mat. nauk 3 no. 3:95-101 S-D '65. (MIRA 18:12)

S/126/60/010/006/004/022
E201/E491

AUTHOR: Khabibullin, B.M.

TITLE: Inelastic Magnetic Scattering of Slow Neutrons on Metallic Cerium

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol.10, No.6, pp.825-828

TEXT: Discussions of magnetic scattering of slow neutrons on paramagnetics are usually limited to the elastic case (Ref.1,2). Inelastic magnetic scattering is also possible: it is accompanied by transitions of the paramagnetic atoms between various Stark levels in the crystal field. The present paper describes the use of the Born approximation in calculation of the differential cross-section for magnetic inelastic scattering of thermal neutrons on close-packed metallic cerium. The cross-section is found to within 0.1 millibarn. The inelastic cross-section is shown to be of the same order as the cross-section for elastic scattering. The angular dependence of the inelastic cross-section has the same symmetry as the crystal field. The paper is entirely theoretical. There are 5 references: all non-Soviet.

Card 1/2

S/126/60/010/006/004/022
E201/E491

Inelastic Magnetic Scattering of Slow Neutrons on Metallic Cerium

ASSOCIATION: Fiziko-tekhnicheskiy institut
Kazanskogo filiala AN SSSR
(Physicotechnical Institute, Kazan Branch AS USSR)

SUBMITTED: June 27, 1960

Card 2/2

84406

S/056/60/039/004/024/048
B006/B063

24.6200
24.1000

AUTHOR: Khabibullin, B. M.

TITLE: Inelastic Magnetic Scattering of Slow Neutrons by Phonons

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960, Vol. 39, No. 4(10), pp. 1027-1030

TEXT: The present paper deals with inelastic magnetic scattering of neutrons, which is due to dynamic processes caused by energy exchange between spin systems and lattice vibrations. Thermal lattice vibrations change the interaction energy between the atoms of the paramagnetic. These perturbations lead to transitions between the levels produced in the electric field or in the magnetic field of the crystal generated by exchange interactions. This, in turn, leads to absorption or emission of phonons of corresponding energies. The various mechanisms of spin-lattice coupling have been thoroughly studied in the theory of paramagnetic relaxation in Refs. 5-7. The author now considers the case in which the spin system represents the totality of paramagnetic atoms in the electric field of the crystal. The relationship between spin system and lattice is

Card 1/3

Inelastic Magnetic Scattering of Slow Neutrons by Phonons

accomplished by a modulation of the electric field by lattice vibrations. Under the action of thermal vibrations the atom performs continuous non-radiative transitions between the Stark levels. On transition from one Stark level to another, the effective moment of the atom is changed. The magnetic interaction between atom and neutron thus becomes an oscillating quantity. Scattering is described by the relation $(H_o + H_L + H_n)\psi = i\hbar\partial\psi/\partial t$, where H_o is the Hamiltonian describing the steady-state atom and the free motion of the neutron; H_L denotes the spin-lattice, and H_n the magnetic, interaction between atom and neutron. The following formula is obtained for the inelastic magnetic scattering cross section:

$$\frac{d\sigma}{d\Omega} \approx \frac{p}{p_o}\left(\frac{e^2\chi}{mc^2}\right)^2 \frac{215\pi^5 e^8 \hbar^2}{v_{son}^7 R^4}\int \frac{\omega_s^2 - q\omega_s}{(\Delta E + \hbar\omega_s)^4}\rho_{\omega_s} d\omega_s$$

, where $\omega_s - \omega_q = \omega$ is the resonance frequency; ρ_{ω_s} is the density of oscillators having the frequency ω_s; $\hbar(\omega_s - \omega_q) = \hbar q$ is the amount of energy absorbed in two-phonon scattering; R denotes the interatomic distance; and v_{son} denotes

Card 2/3

VALIYEV, K.A.; KHABIBULLIN, B.M. (Kazan')

Nuclear magnetic resonance and structure of aqueous solutions of electrolytes. Zhur.fiz.khim. 35 no.10:2265-2274 O '61. (MIRA 14:11)

1. Kazanskiy pedagogicheskiy institut.
(Electrolyte solutions)

S/181/62/003/002/045
B102/B104

24.1500
24.4400

AUTHOR: Khabibullin, B. M.

TITLE: Effect of spin-phonon interaction in a paramagnetic upon the energy distribution of scattered neutrons

PERIODICAL: Fizika tverdogo tela, v. 4, no. 3, 1962, 587-593

TEXT: A formula is derived for the differential cross section of neutron scattering from the Stark levels of paramagnetic atoms in the inner-crystalline field when spin-phonon interaction is taken into account.

$$\frac{d\sigma}{d\Omega dE} = \frac{p}{p_0}\left(\frac{e^2\gamma}{mc^2}\right)^2 K \sum_{i,j=1}^{3}\left(\delta_{ij} - \frac{q_i q_j}{q^2}\right)\cdot\frac{1}{\hbar}\int_{-\infty}^{\infty} dt e^{\frac{iEt}{\hbar}}\left\langle j_i^* e^{\frac{Ht}{i\hbar}} j_j e^{-\frac{Ht}{i\hbar}}\right\rangle, \quad (1)$$

$$q = \hbar^{-1}(p_0 - p), K = \left(\frac{1}{J(J+1)}\right),$$

can be calculated if

Card 1/5

S/181/62/004/003/034/045
B108/B104

24.7900

AUTHOR: Khabibullin, B. M.

TITLE: Effect of spin-phonon interaction on the magnetic properties of paramagnetics

PERIODICAL: Fizika tverdogo tela, v. 4, no. 3, 1962, 801-805

TEXT: Through virtual transitions, spin-phonon interaction may change the energy of the eigenstates of a system by an amount which in second-order perturbation theoretical approximation is

$$\Delta E = \sum_{i,j,q} \frac{V_m^k(i)\, V_k^m(j)\, a_k^+(i)\, a_m(i)\, a_m^+(j)\, a_k(j)\, b_q^{\pm} b_q^{\mp}}{\Delta E_{mk} \pm \hbar\omega_q}. \qquad (1),$$

where the a's and b's are the production and annihilation operators of ions and phonons, respectively. The change in energy of the i-th paramagnetic ion owing to emission and absorption of one virtual phonon is $\Delta E_k(i)$ which quantity depends on the number k of Stark levels, or on the orientation of the magnetic moment of the ion. The exchange of virtual phonons between two ions in a paramagnetic crystal is similar to the

Card 1/2

electron-electron interaction in a metal which at low temperatures leads to superconductivity. The character of spin-phonon interaction depends on the specific crystal structure and on the state of ions of the paramagnetic. The above change in energy is estimated for the β-phase of metallic Ce. At low temperatures, $\Delta E \approx -166^{\circ}K$. It is shown that in crystals consisting of ions with a dipole moment interaction of the considered type leads to a certain orientation of the electric dipole moments. A. K. Morocha is thanked for remarks. There are 9 references: 3 Soviet and 6 non-Soviet. The four most recent references to English-language publications read as follows: Ko Sugihara. Journ. Phys. Japan, 14, 1231, 1959; R. D. Muttuck, M. W. Strandberg. Phys. Rev., 119, 1204, 1960; T. Murrao, T. Matsubara. Prog. Theor. Phys., 18, 215, 1957; Masao Atoji. Phys. Rev., 121, 601, 1961.

ASSOCIATION: Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR (Physicotechnical Institute of the Kazan' Branch AS USSR)

SUBMITTED: December 2, 1961

Card 2/2

Effect of spin-spin interaction on ...

position of the interacting particles. Relevant special assumptions are made and some formulas are stated, without derivation, which give the shape and position of the energy spectrum for the scattered neutrons. The shift of the scattering curve is found to be of the same order of magnitude as the shift caused by relaxation effects.

ASSOCIATION: Fizicheskiy institut Kazanskogo filiala AN SSSR
(Physics Institute of the Kazan' Branch, AS USSR)

SUBMITTED: February 10, 1962

Card 2/2

24.4400

AUTHOR: Khabibullin, B. M.

TITLE: Slow neutron scattering by the spin system of a paramagnetic

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1977-1979

TEXT: The following scattering mechanism is investigated: When a neutron strikes the nucleus of a paramagnetic atom, the atom is shifted from its position of equilibrium, which results in a change of the inner crystalline field V_{kr} acting on the electron cloud. This change of V_{kr} causes in its turn an atomic transition from one Stark level to another. This impact process is described quantum-mechanically as a collision of a neutron with a nucleus, accompanied by the emission (absorption) of a virtual phonon which is absorbed (emitted) by a spin system. The scattering cross section is estimated for such of the impacts as give rise to a change in the state of vibration n_q and state of spin β of the paramagnetic ion; on emission of a γ-quantum by an excited nucleus of a paramagnetic.

Card 1/3

KHABIBULLIN, B.M.

Effect of spin-phonon interaction on the magnetic properties of paramagnetic substances. Fiz. tver. tela 4 no.3:801-805 '62. (MIRA 15:4)

1. Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR.
(Paramagnetism) (Crystal lattices)

KHABIULIN, B.M.

Effect of spin-phonon interaction in a paramagnetic on the energy distribution of scattered neutrons. Fiz. tver. tela 4 no.3:587-593 '62. (MIRA 15:4)

1. Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR.
(Paramagnetic resonance and relaxation) (Neutrons--Scattering)

KHABIBULLIN, B.M.

Effect of spin-spin interaction on neutron scattering in a paramagnetic. Fiz.tver.tela 4 no.7:1826-1832 Jl '62. (MIRA 16:6)

1. Fizicheskiy institut Kazanskogo filiala AN SSSR.
(Nuclear spin) (Neutrons--Scattering) (Magnetic materials)

KHABIBULLIN, B.M.

Slow neutron scattering by the spin system of a paramagnetic. Fiz.tver.tela 4 no.7:1977-1979 Jl '62. (MIRA 16:6)

1. Kazanskiy filial AN SSSR.
(Neutrons--Scattering) (Nuclear spin) (Magnetic materials)

KOPVILLEM, U.Kh.; KHABIBULLIN, B.M.

A paramagnetic particle counter. Zhur. eksp. i teor. fiz. 44 no.2:749-752 F '63. (MIRA 16:7)

1. Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR.

EWT(m)/T IJP(c)
AP5012571

1535/1544

[redacted]

[redacted] tverdogo tela, v. 7, no. 5, 1965, 1535-[redacted]

[redacted] counter, elementary particle count[redacted] elementary particle in-

ACCESSION NR: AP5012571

/

particles, is developed. The solutions are obtained [illegible] ...tions.

[illegible]

[illegible]

ENCL: 00 SUB CODE: SS, NP

OTHER: 008 ATD PRESS: 4000

L 18177-65 EPF(c)/EWT(l) Pi-4 IJP(c) JG/WW

ACCESSION NR: AP5017300 UR/0181/65/007/007/2070/2076

AUTHOR: Khabibullin, B. M.

TITLE: The effect of interaction through the phonon field on the intensity of paramagnetic resonance absorption

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2070-2076

[illegible] resonance, [illegible]

[illegible] the contribution to susceptibility [illegible] field in between [illegible] ions produced by [illegible] field is [illegible] set [illegible] [illegible] by [illegible], [illegible] others. The [illegible] for $\chi''(\omega)$ has the following [illegible] ion in- [illegible] crystals.

$$\chi''(\omega) = \chi_0''(\omega)(1 + S$$

where

$$S = \frac{16^2}{27}\pi^3 \frac{e^2 e'^2}{R_0^6} \frac{N_0}{\rho\omega^2} e^{-\omega_0} \left(1 - e^{\frac{\hbar\omega}{kT}}\right) \frac{d}{dH}\left(\frac{H^2}{D^2}(n_1 - n_2)\right) \times \left[\alpha r^2 g\hat{\rho}(2m-1)^2 (J+m)(J-m+1)\right]^2,$$

Card 1/2

L 58877-65
ACCESSION NR: AP5017300

is the average distance between adjoining paramagnetic ions. The ex-

formulas.

Kazanskiy fiziko-tekhnicheskiy institut (Kazan Physico-technical Ins-

SUBMITTED: 20Jan65 ENCL: 00 SUB CODE: SS, NP

NO REF SOV: 010 OTHER: 009

Card 2/2

KHABIBULLIN, B.M.

Spin-lattice relaxation times in spin systems containing two types of paramagnetic ions. Fiz. tver. tela 7 no.10 2894-2897 O '65. (MIRA 18:11)

1. Kazanskiy fiziko-tekhnicheskiy institut AN SSSR.

L 26637-66 EWT(1)/EEC(k)-2/T/EWP(k) IJP(c) WG/AT

ACC NR: AP5025360 SOURCE CODE: UR/0181/65/007/010/2894/2897

AUTHOR: Khabibullin, B. M. 66 13

ORG: Kazan Physical Engineering Institute, AN SSSR (Kazanskiy fiziko-tekhnicheskiy institut AN SSSR)

TITLE: On spin-lattice relaxation times in spin-systems containing two types of paramagnetic ions

SOURCE: Fizika tverdogo tela, v. 7, no. 10,1965, 2894-2897

TOPIC TAGS: spin lattice relaxation, paramagnetic ion, phonon, spin system, corundum, chromium, titanium, phonon interaction

ABSTRACT: The effect was investigated of the interaction by a field of phonons between paramagnetic ions of different types at spin-lattice relaxation times being observed when these times for ions of one T_1 type were much greater than the corresponding times for ions of another type ($T_1 \gg T_1'$). In this case it was indicated that when the values of Zeeman spallation in paramagnetic ions of one type or another coincide, the energy transfer process from one type of ion to another caused by the named interaction, can be effective enough so that the relaxation times observed for both spin-systems might be determined by shorter

Card 1/2

L 26637-66

ACC NR: AP5025360

times of T_1. Calcualations were conducted for Ti^{+3} and Cr^{+3} ion mixtures in corundum at T = 4.2°K. Orig. art. has: 1 fig. and 3 equations.

SUB CODE: 20,07 / SUBM DATE: 08Mar65/ ORIG REF: 004/ OTH REF: 007

Card 2/2

L 23863-66 EWT(1)/T IJP(c)

ACC NR: AP6013460 SOURCE CODE: UR/0139/66/000/002/0087/0091

AUTHOR: Kopvillem, U. Kh.; Khabibullin, B. M.

ORG: Kazan Physicotechnical Institute (Kazanskiy fiziko-tekhnicheskiy institut)

TITLE: Magnetic neutron counter

SOURCE: IVUZ. Fizika, no. 2, 1966, 87-91

TOPIC TAGS: particle counter, neutron counter, magnetic neutron counter

ABSTRACT: Based on numerous studies of Cr^{+3} in Al_2O_3 as the active medium of masers and lasers, a magnetic counter is proposed for recording energy spectra of neutrons and other neutral elementary particles, e.g., neutrinos and antineutrinos. Operation of the proposed counter is based on the conversion of the kinetic energy of a particle flux into quanta $\hbar\omega_{21} = E_2 - E_1$ of the potential energy of magnetic particles of the medium in the inner field of the crystal and on the subsequent count of spontaneously emitted photons of frequency ν_{21}. General theoretical calculations show that by sufficient lowering of the temperature, any degree of sensitivity of the counter can be achieved. Unlike some other similar elementary particle counters, this

Card 1/2

L 23863-66
ACC NR: AP6013460 O

device will react to any interaction capable of producing particle transition between levels E_1 and E_2. Generally, such an interaction depends on the pulse direction of the impinging particle and, consequently, can serve as an indicator of the direction of elementary particle fluxes in space. In contrast to counters which utilize nuclear reactions and require a very high initial kinetic energy, this device operates at an initial energy $\geq E_2 - E_1 \approx 100K$. External noise has little effect on the operation of the device at high frequencies ($\Delta E \geq 100K$). However, in the microwave and rf regions, the sensitivity threshold of the counter is determined chiefly by this noise. Both weak interactions of elementary particles and neutrinos with energies in the 0.025 ev—1 Mev range can be recorded. Orig. art. has: 8 formulas. [JR]

SUB CODE: 20/ SUBM DATE: 17Mar64/ ORIG REF: 010/ OTH REF: 011
ATD PRESS: 4246

Card 2/2 dda

ACC NR: AP7003537 SOURCE CODE: UR/0386/67/005/001/0024/0025

AUTHOR: Garif'yanov, N. S.; Khabibullin, B. M.; Kharakhach'yan, E. G.; Bezzubov, A.L.

ORG: Kazan' Physicotechnical Institute, Academy of Sciences SSSR (Kazanskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Electron paramagnetic resonance in lithium containing impurities of group IIB metals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 5, no. 1, 1967, 24-25

TOPIC TAGS: lithium, electron paramagnetic resonance, spin orbit relaxation, spin orbit interaction, conduction electron, epr spectrum, line width

ABSTRACT: To check whether the main mechanism of spin relaxation is spin-orbit interaction of the conduction electrons with the impurity atoms, the authors investigated the effect of small admixtures of Zn, Cd, and Hg on the EPR line width of Li. The initial material was ~99% pure LE-1 lithium (measured relaxation time $T_1 = 9.4 \times 10^{-9}$ sec). The alloy was prepared in an atmosphere of pure helium and dispersed by ultrasound in dehydrated paraffin to an average particle size $\lesssim 8$ μ. The measurements were made at 9320 MHz and room temperature. It follows from the experimental data that the peak line width δH increases linearly with increasing c in the investigated concentration interval. An estimate shows that the spin-orbit interaction of electrons with the impurity atoms in the metal does not differ in order of magnitude from its value

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ACC NR: AP7003537

for the free atom. Consequently, the expected effect of screening the spin-orbit interaction by conduction electrons is nonexistent. The contrary is more likely, that if the presented estimates are correct the redistribution of the electron density near the impurity atom leads to an antiscreening effect which apparently has a tendency to grow with increasing Z. The authors thank Professor B. M. Kozyrev for continuous interest in the work and valuable advice. Orig. art. has: 1 figure, 1 formula, and 1 table.

SUB CODE: 20/ SUBM DATE: 20Oct66/ OTH REF: 004

Card 2/2

Dairy Cattle

Problems of fertilization and the vitality of young animals in the breeding of dairy cattle. Sov. zootekh. 7 No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

USSR / Farm Animals. Cattle Q-2

Abs Jour: Ref Zhur-Biol., No 3, 1958, 12062

Author : Khabibullin Kh.
Inst :
Title : The Preservation and Shipment of Bull Semen at Low Temperatures (Sokhraneniye i perevozka semeni bykov pri nizkikh temperaturakh)

Orig Pub: Molochn. i myasnoye zhivotnovodstvo, 1957, No 5, 39-42

Abstract: The technique of the short term preservation of bull semen at the 0°C. temperature, and that of the long term preservation at low temperatures, is described. The advantage of these methods over the techniques used abroad is pointed out.

Card 1/1

KHABIBULLIN, Kh. Kh.

Doc Biol Sci - (diss) "Biological bases and methods of storing the sperm of bulls and rams at low temperatures." Moscow, 1961. 25 pp; (Ministry of Agriculture R&FSR, Moscow Veterinary Academy); 180 copies; price not given; list of author's works on pp 24-25 (21 entries); (KL, 5-61 sup, 182)

VAYSBERG, K.M.; KRUGLOV, E.A.; KHABIBULLIN, M.F.; SHABALIN, I.I.

Using the gas-liquid chromatography method for studying the various types of naphthalene. Koks i khim. no.3:44-47 '63. (MIRA 16:3)
(Naphthalene) (Gas chromatography)

KHAMIDULLIN, Nazin Khayrullovich; KHABIBULLIN, Rashid Akhmadullovich; GORKIN, S.F., red.; ISAYEVA, V.V., ved. red.; STAROSTINA, L.D., tekhn. red.

[Work organization in the construction of oil wells; practices of petroleum workers in the Tatar A.S.S.R.] Organizatsiia proizvodstva pri sooruzhenii neftianykh skvazhin; opyt neftianikov Tatarskoi ASSR. Moskva, Gostoptekhizdat, 1963. 75 p. (MIRA 17:1)
(Tatar A.S.S.R.--Oil well drilling--Management)

KUROCHKIN, B.M.; KHABIBULLIN, R.A.

New method for investigating circulation loss in drilling.
Neft. khoz. 42 no.6:58-62 Je '64. (MIRA 17:8)

SAFRONOV, A.G.; [illegible], E.M.; KHABIBULLIN, R.A.

Well drilling with water flushing to a predetermined depth in Romashkino oil field. Burenie no.11:3-6 '64.

(MIRA 18:5)

1. Kontora bureniya No.2 tresta "Tatburneft'".

SYUNYAYEV, Z.I.; ROGACHEVA, O.I.; KHABIBULLIN, R.R.

Cracking residue as a depressant for gas turbine fuels. Khim.i tekh.topl. i masel 10 no.1:21-23 Ja '65.

(MIRA 18:4)

L 22114-66 EWT(m)/T WE

ACC NR: AP6012992 SOURCE CODE: UR/0065/65/000/001/0021/0023

AUTHOR: Syunyayev, Z. I.; Rogacheva, O. I.; Khabibullin, R. R.

46
B

ORG: none

TITLE: Cracking-residue as a gas turbine fuel pour-point depressant

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 1, 1965, 21-23

TOPIC TAGS: gas turbine, vanadium, petroleum fuel, pour point depressant

ABSTRACT: Data is presented on the effect of cracking-residue constituents on the depressant effect of gas-turbine fuel [GTF] and also on variation in content of mechanical impurities and vanadium. Used as coking crude in unheated chambers to obtain GTF was cracking-residue obtained in thermal cracking of 38-40% residues of the mixture of sulfurous petroleum stock (Romashkina, Bavlina, and Shkapova). It was shown that only asphaltenes have a depressant effect with respect to kerosene-gasoline coking fractions, of all the components of sulfurous cracking-residue. Resins and oils in the pure form have no depressant properties and reduce the effect of cracking-residue asphaltenes if the asphaltene content in the GTF exceeds 0.5%. When sulfurous cracking-residue is industrially used as a depressant for kerosene-gasoline, it is recommended that the asphaltene content be brought to the maximum value which can be estimated from the residue density. Orig. art. has: 3 figures and 1 table. [JPRS]

SUB CODE: 21 / SUBM DATE: none / ORIG REF: 008 / OTH REF: 001

UDC: 665.521: 66.022.38 : 536.421.4

Card 1/1 BK

KHABIBULLIN, S.G.

Perfecting laboratory instruments. Trudy DashNII MP no.6: 178-182 '63. (MIRA 17:5)

KAIMYKOV, Sergey Semenovich; KHABIBULLIN, Sh.A., kandidat biologicheskikh nauk, redaktor; GUSEVA, N.P., redaktor; ZLOBIN, M.V., tekhnicheskiy redaktor

[Wild fruits of western Tien Shan] Dikorastushchie plodovye zapadnogo Tian'-Shania. Pod red. Sh.A.Khabibullina. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 39 p. (MLRA 10:1)

1. Zaveduyushchiy otdelom plodovodstva Instituta zemledeliya im. V.P.Vil'yamsa Kazakhskogo filiala Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk im. Lenina (for Khabibullin)
(Tien Shan--Fruit)

KHABIBULLIN, SH. A.

USSR/Cultivated Plants - Fruits. Berries. M

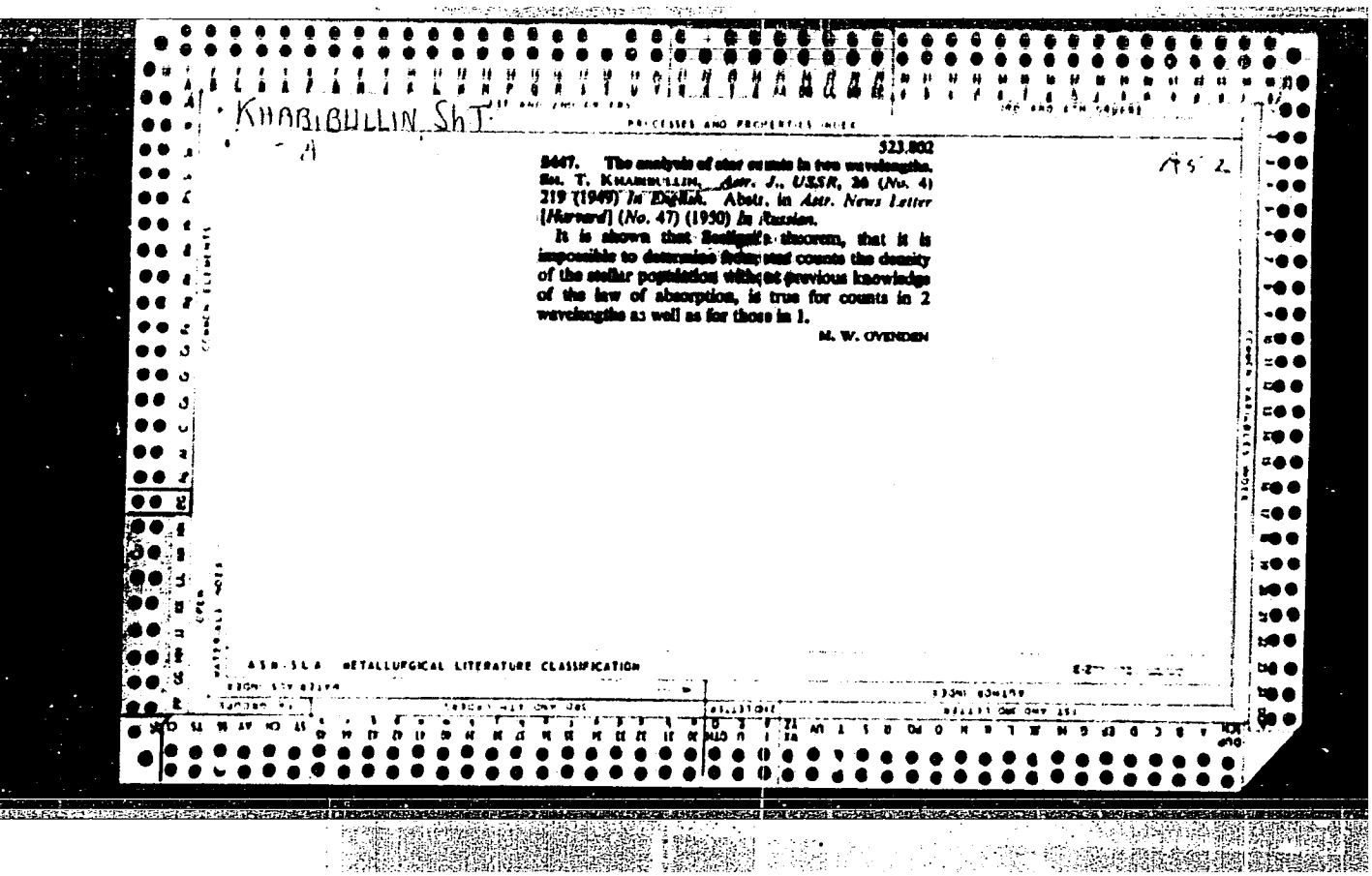
Abs Jour : Ref Zhur Biol., No 12, 1958, 53811

Author : Khabibullin, Sh.
Inst : -
Title : Some Problems in Increasing Winter Resistance in Stone Fruit Plants

Orig Pub : S. kh. kazakhstana, 1957, No 5, 44-47

Abstract : The studies of the Institute of Agriculture showed that in the Alma-Atinskaya Oblast the most favorable zone for the cultivation of the stone fruit plants is situated at an altitude of 1200-1400 m above sea level where high quality varieties of plums of the eastern European and southern origin can be grown. The following plum varieties are most resistant under the conditions of the intermediate zone (800-1100 m above sea level): Vaneta, Yellow Khobty; the most resistant cherry varieties are: Lubskaya, Large Shpanka, Osthein Griot and

Card 1/2



KHABIBULLIN, Sh I.

523.852

3447. The analysis of star counts in two wavelengths. Sh. T. KHABIBULLIN. *Astr. J., USSR*, 26 (No. 4) 219 (1949) *In English.* Abstr. in *Astr. News Letter [Harvard]* (No. 47) (1950) *In Russian.*

It is shown that Seeliger's theorem, that it is impossible to determine from star counts the density of the stellar population without previous knowledge of the law of absorption, is true for counts in 2 wavelengths as well as for those in 1.

M. W. OVENDEN

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PA149T3

USSR/Astronomy - Galaxies Sep/Oct 49
Light Absorption

"Distribution of Stellar Density in the High Galactic Latitudes," Sh. T. Khabullin, Astr Obs imeni Engel'gardt, 10 pp

"Astron Zhur" Vol XXVI, No 5

Shows that there is a great increase in stellar density toward the center but that in the opposite direction, in the neighborhood of our sun, density decreases from the center toward the Galaxy's periphery. In the cross section perpendicular to the direction toward the galactic center, in the two

149T3

KHABULLIN, SH. T.

USSR/Astronomy - Galaxies (Contd) Sep/Oct 49

opposite directions from the sun, there is an identical distribution of stellar densities. Assumes distribution of stars in directions toward galactic poles is a result of the sun's position between two arms of the Galaxy's spiral.

149T3

KHABIBUL IN, SH. T. PA 158T3

USSR/Astronomy - Absorption of Light Stars Mar/Apr 50

"Fluctuation in the Numbers of Stars Reduced to the Galactic Pole and the Interstellar Absorption of Light," Sh. T. Khabibullin, Astr Obs imeni Engel'gart, 5 pp

"Astr Zhur" Vol XXVII, No 2

Analyzes fluctuation in function $N_{90°}(m)$, which designates number of stars up to given stellar magnitude m in direction of Galactic pole (90°), in connection with Galactic absorption of Light.

[redacted] 158T3

KHABIBULLIN, Sh.T.

Orienting the field of vision of a coelostat with an auxiliary mirror and determining the placement of its axis. Uch.zap.Kazan.un. 112 no.1:49-55 '52. (MLRA 6:6)

1. Astronomicheskaya observatoriya imeni V.P. Engel'gardta pri Kazanskom gosudarstvennom universitete imeni V.I. Ul'yanova-Lenina. (Coelostat)

KHABIBULLIN, SH. T.

Occultations

Observations of lunar occultations of stars at the Engel'gardt Astronomical Observatory in 1952. Astron.tsir. No. 132, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

KHABIBULLIN, Sh.T.

Observations of occultations of stars at the Engel'gardt Astronomical Observatory in 1952-1953. Astron.tsir. no.142:10-11 S '53. (Occultations) (MLRA 7:7)

KHABIBULLIN, SH. T.

AID - P-235

Subject : USSR/Astronomy

Card : 1/2

Author : Khabibullin, Sh. T.

Title : On a Simple Modification of the Process of Treating the Observations of the Physical Libration of the Moon

Periodical : Astron. zhur., v. 31, 2, 171-177, Mr - Ap 1954

Abstract : The determination of unknown constants of the physical libration of the moon, observed by Bessel's method, can be done even with a considerable error made in locating the zero point of the measured position angles. Such a possibility appears when the treatment of observations is made in polar coordinates. In previous methods the treatment was made in rectangular coordinates, which are not independent values, because during the observations an independent measurement of the polar coordinates is being made. The author bases his paper on heliometric observations of A. A. Nefed'yev (Kazan University), on the works of Prof. A. A. Yakovkin, whom the Paris Con-

AID - P-235

Astron. zhur., v. 31, 2, 171-177,
Mr - Ap 1954, (additional card)

Card : 2/2

ference asked to hasten the results of his study of the figure and physical libration of the moon; K. Koziyel, and others. The author suggests a photographic method and states that then an error even of 1° in the location of the zero point is small in comparison with the determination of distances. Formulae. Six references (after 1949) of which 4 are Russian.

Institution : Astron. Observ. im. Engel'gardt

Submitted : December 16, 1952

KHABIBULLIN, Sh.T.

Determining the parameter F of the moon's physical libration.
Biul. Inst. teor. astron. 6 no.4:255-267 '55.
(MIRA 13:3)

(Moon--Libration)

KHABIBULLIN, SH.T.

KHABIBULLIN, Sh.T.; YULDASHEVA, L.L.

Analysis of star counts in the dark nebulae using K.E. Ogorodnikov's method. Uch.zap.Kaz.un. 116 no.1:89-92 '55. (MLRA 10:5)

1.Kafedra astronomii.
(Neblulae) (Ogorodnikov, K.E.)

KHABIBULLIN, Sh.T.; LARENKOVA, L.V.

Observations of Abell's comet (1953g) and Schwassmann-Wachmann's (1954g) at the Engel'gardt Observatory. Astron.tsir.no.160:2-3 Je'55. (MLRA 8:12)

1. Astronomicheskaya observatoriya imeni Engel'gardta
(Comets)

DUBYAGO, A.D.; KHABIBULLIN, Sh.T.

Observations of Bakharev's comet (1955f) at the Engel'gardt Astronomical Observatory. Astronitsir. no.162:3-4 Ag '55. (MLRA 9:5)

1. Astrnomicheskaya observatoriya imeni Engel'gardta. (Comets--1955)

KHABIBULLIN, Sh. T.

KHABIBULLIN, Sh. T. : "The physical libration of the moon 9. (Investigation of the physcial libration of the moon using the photographic method, and a derivation of the parameter f from the Kazan' heliometric observations)." Acad Sci USSR. Main Astronomical Observatory. Leningrad, 1956. (Disseration for the degree of Doctor in Physicomathematical Sciences)

So: Knizhnaya Letopis', No 36, 1956. Moscow.

KHABIBULLIN, Sh.T.; GAYNULLINA, R.Kh.

Analysis of visual and photographic star counts in the direction of the nebula "North America". Uch.zap.Kaz.un. 116 no.5:63-68 '56.
(MLRA 10:4)

1. Kafedra astronomii.
(Stars--Distribution)

KHABIBULLIN, Sh.T.; PUPYSHEV, Yu.A.

Observation of Schwassmann-Wachmann's comet 2(1954g) at the Engel'gardt Observatory. Astron.tsir. no.167:5 F '56. (MLRA 9:9)

1.Astronomicheskaya observatoriya imeni Engel'gardta.
(Comets, Schwassmann-Wachmann's (1948 VII))

KHABIBULLIN, Sh.T.

Determining the coordinates of sites on the moon. Uch. zap. Kaz. un. 117 no.9:174-176 '57. (MIRA 13:1)

1.Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina. Astronomicheskaya observatoriya im. Engel'gardta.
(Moon)

KHABIBULLIN, Sh.T.; SHAKIROV, K.S.

Observations of Arend-Roland's comet (1956 h) at the Engel'gardt Observatory. Astron.tsir. no.184:6 S '57. (MIRA 11:4)

1. Astronomicheskaya observatoriya im. Engel'gardta.
(Comets--1956)

KHABIBULLIN, Shaukat Tainovich (Kazan' State Univ) awarded sci d egree of Doc Physico-Math Sci for the 21 Jun 57 defense of dissertation: "Physical libration of Moon 9 (research on the physical libration of the Moon by photographic methods and deduction of parameter f from Kazan' heliometric observations" at the Council, Main Astron Observatory, AS, USSR; Prot No 11, 10 May 58.
(BMVO, 10-58,21)

NOTE: (1) parentheses not closed in title in original; (2) it is not quite certain that the symbol in the original (f) is intended to represent the letter f.

SOV/35-59-9-6981

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, p 15 (USSR)

AUTHORS: Khabibullin, Sh.T., Shakirov, K.S.

TITLE: Observations of the Mrkos 1957d Comet at the Astronomical Observatory Imeni Engel'-gardt

PERIODICAL: Astron. tsirkulyar, 1958, July 3, Nr 193, pp 4 - 5

ABSTRACT: Thirty-two positions of the comet are given, determined from the photographs obtained by the Ya-2 camera (D = 20 cm; F = 100 cm) during August to September of 1957. The photographs were measured on the KIM-3 apparatus, the measurements were processed by Terner's method.

Card 1/1

3(1) SOV/33-35-4-21/25

AUTHOR: Khabibullin, Sh.T.

TITLE: On a Unique Solution for the Value of the f Parameter of the Physical Libration of the Moon (Ob odnoznachnom reshenii parametra f fizicheskoy libratsii luny)

PERIODICAL: Astronomicheskiy zhurnal, 1958, Vol 35, Nr 4, pp 669-671(USSR)

ABSTRACT: The author presents the results of an investigation of the annual wave $a_3 \sin g'$ in the forced libration of the moon in longitude. The amplitude a_3 can be calculated for a value < 0.662 of the parameter f from observations carried out in Kazan' and Dorpat. The results are compared with those of other authors. There are 2 tables, and 5 references, 3 of which are Soviet, 1 Austrian, and 1 English.

ASSOCIATION: Astronomicheskaya observatoriya im. V.P.Engel'gardta (Astronomical Observatory imeni V.P.Engel'gardt)

SUBMITTED: May 24, 1957

Card 1/1

PHASE I BOOK EXPLOITATION SOV/4313

Barabashov, N.P., V.A. Bronshten, M.S. Zel'tser, N.L. Kaydanovskiy, A.V. Markov, K.P. Stanyukovich, N.N. Sytinskaya, A.V. Khabakov, Sh.T. Khabibullin, V.V. Sharonov, and A.A. Yakovkin

Luna (The Moon) Moscow, Fizmatgiz, 1960. 384 p. 4,500 copies printed.

Ed.: (Title page): A.V. Markov, Doctor of Physics and Mathematics; Ed.: G.A. Manova; Tech. Ed.: N.Ya. Murashova.

PURPOSE: This book is intended for astronomers, astrophysicists, and other scientific and technical personnel interested in lunar research.

COVERAGE: The book, written by 11 Soviet authorities, summarizes and evaluates research done to date in selenology. The motion, rotation, and figure of the Moon, physical properties of the lunar surface, the question of the existence of lunar atmosphere, mapping of the Moon, radar investigations, and the effect of external cosmic forces on the Moon are discussed. An index of Russian and Latin designations of lunar features is included. The text is illustrated with 110 figures and 32 tables. There are 74 references: 34 Soviet, 32 English, 6 German, and 2 French.

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1. Introduction 103
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Card 1/6

[illegible], Sh T

Physical libration of the moon. New York, [illegible], 1960.

[illegible] p., illus., diagrs., graphs, tables. (JPRS: 5733)

Translated from the original Russian: Fizicheskaya libratsiya luny. Moscow, 1958.

"The ninth investigation of the physical libration of the moon carried out at the Astronomical Observatory imeni Engel'gardt."

KHABIBULLIN, Sh. T.

PHASE I BOOK EXPLOITATION SOV/5721

Vsesoyuznaya astrometricheskaya konferentsiya.

Trudy 14-y Astrometricheskoy konferentsii SSSR, Kiyev, 27-30 maya 1958 g. (Transactions of the 14th Astrometrical Conference of the USSR, Held in Kiyev 27-30 May 1958) Moscow, Izd-vo AN SSSR, 1960. 440 p. Errata slip inserted. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Glavnaya astronomicheskaya observatoriya (Pulkovo).

Resp. Ed.: M. S. Zverev, Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: M. K. Zaychik; Tech. Ed.: R. A. Zamarayeva.

PURPOSE: The book is intended for astronomers and astrophysicists, particularly those interested in astrometrical research.

COVERAGE: This publication presents the Transactions of the 14th Astrometrical Conference of the USSR, held in Kiyev 27-30 May 1958. It includes 27 reports and 55 scientific papers presented at the plenary meeting of the Conference

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and at the special sectional meetings. An appendix contains the resolutions adopted by the Conference, the composition of the committees, the agenda, and the list of participants at the Conference. A brief summary in English is given at the end of each article. References follow individual articles. The Presidium of the Astrometrical Committee (Chairman M. S. Zverev), which supervised the preparation of this publication, expresses thanks to the members of the secretariat: V. M. Vasil'yev, I. G. Kol'chinskiy, A. B. Onegina, and Kh. I. Potter.

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of the Moon Made at Pulkovo With a Markovitz Camera 385

Khabibullin, Sh. T. One Method for the Reduction of Photographs of the Moon Obtained With a Markovitz Camera 395

Yakovkin, A. A., and A. A. Gorynya. The Reduction of Lunar Observations to the Baricentric Sphere 398

Gorynya, A. A., and V. K. Drofa. Elevations of the Moon's Limb Determined From Photographic Observations 404

Gavrilov, I. V. The Asymmetry of the Lunar Disk From Photographic Observations 409

Khabibullin, Sh. T. Derivation of Constants of the Physical Libration of the Moon From Hartwig's Heliometric Observations at Tartu (Dorpat), According to Koziel's Reduction Data 413

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A001/A101

3,2500

AUTHOR: Khabibulin, Sh. T.

TITLE: Deduction of lunar physical libration constants from Gartvig's heliometric observations at Tartu (Derpt) processed by K. Koziel

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 13, abstract 8A115 ("Tr. Gorodsk. astron. observ. Kazansk. un-ta", 1961, no. 33, 1 - 16, English summary)

TEXT: In 1944 Koziel determined the constants of physical libration of the Moon using Gartvig's observations performed in 1884 - 1885 at Tartu. Koziel used the least-square method to determine corrections to the following six unknowns: three coordinates of crater Moesting A, inclination of the lunar equator, mean visible radius of the Moon, and parameter f. However, as the function $\tau(f)$, expressing physical libration in longitude, is discontinuous, the problem is necessarily led to two solutions. To eliminate this drawback, it is proposed to determine by the least-square method corrections to the other system of unknowns, and to introduce, instead of parameter f, the correction to the amplitude of the maximum physical libration wave a_3. This method yields a unique solution. The value

Card 1/2

AUTHOR: Khabibullin, Ya.M., Senior Engineer Sov/92-58-6-9/30

TITLE: Ten Thousand Meters To Be Drilled In a Year (Za 10 tys. m godovoy prokhodki)

PERIODICAL: Neftyanik, 1958, Nr 6, pp 11-13 (USSR)

ABSTRACT: The author states that the structural drilling crew headed by A.I. Cheplanov managed to win the socialist drilling competition test of the Bashkir Republic in 1957. This crew drilled 9,090 m. at an average speed of 757 m. per rig per month, and thus completed its annual assignment and exceeded it by 85.5 percent. This was achieved in spite of adverse drilling conditions, and it was largely due to the strenuous efforts of drillers, the coordination of their work, and the application of advanced drilling methods. The SB-1-900 rig and the 11-GR mud pump, driven by the 54 hp. diesel motor were used by the above-mentioned crew. The upper Quaternary and Tertiary beds were perforated by No. 8 bits. Thereafter, large cutter bits No. 6 were used to perforate hard rocks of the Kungur stage. 2-7/8 inch pipes were used with the No. 6 bits forming a collar 150 m. long. The 15 m. pipe strings consisted of 6 m. and 3 m. pipes. For perforation of hard rocks the weight on the bit was brought to 2.5 - 3 tons. To shut off caving formations or any sections that had to be protected, the intermediate directional control 4-in. casing was sunk into the well.

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The drilling crew used a limited number of casing pipes. The column was lifted by a rig hoist, but in certain cases a hydraulic lifting jack was used likewise. One set of casing pipes sufficed to drill 8-10 bore holes. At a certain depth water was used as drilling fluid instead of mud, the consumption of which was minimized. For the purpose of economy a part of drilling mud was put into drums and transported to another drilling site. Assembling and dismantling operations took much less time than usually. The crew, whose work is described, undertook an obligation to drill 10,000 m. in 1958. The footage drilled by this crew in January and February 1958 twice exceeded the footage of the corresponding period in 1957. Therefore, there is good reason to expect that in 1958 the drilling crew in question will be able to break the 1957 record. In order to increase the drilling speed the geological and prospecting office may replace the DT-54 diesel motor by the KDM-46 90 hp. diesel motor and install two 11-GR mud pumps at each rig. All these measures and the use of heavier pipes with bits of a smaller diameter will make it possible to raise the drilling rate.

ASSOCIATION: Birskaya geologo-poiskovaya kontora (The Birsk Geological and Prospecting Office)

1. Drilling machines—Performance 2. Personnel—Performance

Card 2/2

KHABIBULLIN, Ya.M., starshiy inzh. po bureniyu

Drilling slim test holes with coring. Neftianik 7 no.2:6-8 F '62.
(MIRA 15:2)

1. Birskaya geologopoiskovaya kontora tresta Bashvostoknefterazvedka.
(Core drilling)

AZIMOV, S.A.; DO IN SEB; KIRILLOVA, L.F.; KHABIBULLINA, E.N.; TSYGANOV, E.N.; SHAFRANOVA, M.G.; SHAKHBAZYAN, B.A.; YULDASHEV, A.A.

[Elastic p-p scattering at an energy of 2.8 Bev] Uprugoe rasseianie protona na protone pri energii 2,8 Bev. Dubna, Ob"edinennyi institut iadernykh issledovanii, 1961. 11 p. (MIRA 14:11)

1. Fiziko-tekhnicheskiy institut AN Uzbekskoy SSR (for Azimov, Khabibullina).

(Protons--Scattering)

AZIMOV, S.A.; DO IN SEB; KIRILLOVA, L.F.; KHABIBULLINA, E.M.; TSYGANOV, E.N.; SHAFRANOVA, M.G.; SHAKHBAZYAN, B.A.; YULDASHEV, A.A.

Elastic proton-proton scattering at 2.8 Bev.[with summary in English]. Zhur. eksp. i teor. fiz. 42 no.2:431-434 F '62.
(MIRA 15:2)

1. Ob"yedinennyy institut yadernykh issledovaniy i Fiziko-tekhnicheskiy institut AN Uzbekskoy SSR.
(Protons--Scattering)

KHABIBULLINA, E.M.

S/056/62/042/002/020/055
B108/B104

AUTHORS: Azimov, S. A., To Ying Hsiehb, Kirillova, L. F., Khabibullina, E. M., Tsyganov, E. N., Shafranova, M. G., Shakhbazyan, B. A., Yuldashev, A. A.

TITLE: Elastic proton-proton scattering at 2.8 Bev

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 2, 1962, 430 - 434

TEXT: Elastic scattering of 2.8-Bev protons from the OIYal (see Association entry) proton synchrotron from protons was studied with the aid of 400μ thick НИКФИ-БР(NIKFI-BR) photoemulsions. 492 elastic scattering events were recorded. The differential cross section for elastic scattering in the range between 2.5 and 20.5° was 10 - 10.2 mb. The experimental data do not agree with the assumption on small spin interaction and small real part of the phase shifts. It was assumed that the singlet and the triplet nuclear force potentials are different: $V_s = -(u + iw)e^{-\beta^2 r^2}$, $V_t = \kappa V_s$. The calculations made with both the M matrix and the optical model considering

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S/056/62/042/002/020/055
B108/B104

Elastic proton-proton scattering...

Coulomb interaction showed that different total cross sections have to be allowed for in the singlet and triplet states. The mean square proton-proton interaction radius is 1.06 ± 0.10 f. With $\kappa < 0$, the following results for the potential were found to satisfy the experimental data: $\kappa = 0.18 \pm 0.04$, $u = 4.1 \pm 42.8$ Mev, $w = 333.4 \pm 112.8$ Mev. The authors thank V. I. Veksler for discussions and I. N. Silin for his work at the M-20(M-20) electronic computer. There are 2 figures, 1 table, and 8 references: 3 Soviet and 5 non-Soviet. The four most recent references to English-language publications read as follows: M. J. Longo et al. Phys. Rev. Lett., 3, 568, 1959; W. M. Preston et al. Phys. Rev., 118, 579, 1960; G. Smith et al. Proc. 1960 Ann. Intern. conf. of high energy physics at Rochester, Publ. Univ. Rochester, 1961, p. 203; B. Cork et al. Phys. Rev., 107, 856, 1957.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research). Fiziko-tekhnicheskiy institut Akademii nauk Uzbekskoy SSR (Physicotechnical Institute of the Academy of Sciences Uzbekskay. SSR)

SUBMITTED: September 26, 1961

Card 2/2

KHABIBULLINA, F.S.

Gully and ravine pattern of the Tatar A.S.S.R. Izv.Kazan.fil.AN SSSR.Ser.geol.nauk no.1:111-120 '50. (MLRA 10:1)
(Tatar A.S.S.R.--Erosion)

KHABIBULLINA, F. S.

KAVEYEV, M.S.; VASIL'YEV, U.Z.; GALIYEV, U.Z.; KHABIBULLINA, F.S.

Common regularities in the development of dynamic exogenetic phenomena in the Tatar Republic. Izv. Kazan. fil. AN SSSR. Ser geol. nauk no.2:76-93 '54. (MLRA 8:11)
(Tatar A.S.S.R.--Paleogeography)

KAVEYEV, M.S.; KHABIBULLINA, F.S.

Results of engineering geology studies in the Tatar A.S.S.R.
Izv.Kazan.fil. AN SSSR. Ser.geol.nauk no.9:171-187 '60.
(MIRA 15:12)
(Tatar A.S.S.R.—Engineering geology)

KHABIBULLINA, F.S.

Engineering geology regionalization of the left bank of the Volga portion in Tatarstan for construction of public and industrial buildings. Izv.Kazan.fil. AN SSSR. Ser.geol.nauk no.9:189-196 '60. (MIRA 15:12)

(Tatar A.S.S.R.—Engineering geology)

KHABIBULLINA, G. F.

22705 Khabibullina, G. F. O lechenii lyupoznykh porazheniy verzhnizh dykhatel'nykh putey. Sbornik nauch. trudov bashkir. Med. in-ta im. 15- letiya vlksm, T. IX, 1949, S. 87-89

SO: LETOPIS' No. 30, 1949

S/169/62/000/003/023/098
D228/D301

AUTHOR: Khabibullov, R. K.

TITLE: Some questions of the theory of induction methods

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 25, abstract 3A210 (Materialy Nauchn. konferentsii molodykh uchenykh g. Kazani, Geol. i geofiz., Kazan', Kazansk. un-t, 1960, 132-141)

TEXT: Theoretical deliberations are stated about the character of the change in the vertical component of a secondary magnetic field, created by an infinitely long horizontal linear conductor parallel to the Y-axis, in the case when the primary field is created by a square loop. The secondary magnetic field is measured at the center of the emitting loop. The components of the secondary field, normal to the plane of the loop, are subject to measurement. Cases when the emitting loop is parallel to planes XOY and YOZ are considered. For these cases formulas are given for calculating the relative intensity values of the current arising in the reception loop; graphs

Card 1/2

KHABILULLAYEVA, L.A.

Dynamics of the accumulation of ascorbic acid in grape leaves.
Uzb. khim. zhur., no.4:33-39 '58. (MIRA 11:12)

1.Tashkentskiy farmatsevticheskiy institut.
(Ascorbic acid) (Grapes)

ROMASHIN, S.S.; KHABIBULLINA, R.I.

Metallometric studies in the Saran ore zone in central Kazakhstan. Izv. AN Kazakh. SSR. Ser. geol. nauk no.5:67-79 '63. (MIRA 17:1)

1. Vsesoyuznyy institut razvedochnoy geofiziki, Alma-Ata.

SMELOV, A.A.; ZHOGOLEV, L.P.; KHABIBULLINA, R.I.

Natural residual magnetism of rocks. Uch.zap.IGU no.303:245-266 '62. (MIRA 15:11)
(Kazakhstan--Rocks--Magnetic properties)

[illegible], I.P.; SMELOV, A.A.; KHABIBULLINA, R.I.

Use of mathematical statistics in studying the physical properties of rocks. Vop. razved. geofiz. no.3:164-180 '64.
(MIRA 18:2)

STUPISHIN, A.V., prof.; BABANOV, Yu.V., ml. nauchn. sotr.; GUSEVA, A.A., ml. nauchn. sotr.; DUGLAV, V.A., dots.; ZAKHAROV, A.S., dots.; KOSTINA, N.M., assistent; LAVROV, D.D., dots.; LAPTEVA, N.N., assistent; ROMANOV, B.F., ml. nauchn. sotr.; SIROTKINA, M.M., aspirant; SMIRNOVA, T.A., ml. nauchn. sotr.; TORSUYEV, N.P., st. prepod.; FAYSIN, A.S., st. prepod.; TROFIMOV, A.M., assistent; KHARITONYCHEV, A.T., prepod.; STUPISHIN, A.V., red.; KHABIBULLOV, R.K., red.

[Establishing physicogeographical regions in the middle Volga Valley] Fiziko-geograficheskoe raionirovanie Srednego Povolz'ia. Kazan', Izd-vo Kazanskogo univ., 1964. 196 p. (MIRA 18:12)

KHABICHEV, M. A.

Dissertation defended for the degree of Candidate of Philological Science at the Institute of the Peoples of Asia

"Pronouns in the Karachayevo-Balkarskiy Language."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

BELINSKIY, B.A.; NOZDREV, V.F.; KHABIDULLAYEV, P.K.

Absorption coefficient and the velocity of ultrasonic waves in mixtures water - formic acid. Akust. zhur. 9 no.4:482-484 '63. (MIRA 17:3)

1. Moskovskiy oblastnoy pedagogicheskiy institut imeni Krupskoy.

KHAIMINA, SOFIYA

Technical Education - Kiev

They will be metal workers. Rad. zhin. 7, No. 9, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

AFANAS'YEV, Yevgeniy Vladimirovich; BUZINIYER, Mikhail Iosifovich; MITIN, Afanasiy Timofeyevich; KHABINSKAYA, Flora Abramovna; KRISHTAL', L.I., red.; BOBROVA, Ye.N., tekhn.red.

[Economics and organization of signaling and communications] Ekonomika i organizatsiia khoziaistva signalizatsii i sviazi. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 189 p. (MIRA 13:2)
(Railroads--Signaling)
(Railroads--Communication systems)

ARON, Ye.I. [translator]; MASH, V.A. [translator]; TAGER, S.N. [translator]; EYKHENVAL'D, A.V. [translator]; KHEYNMAN, S.A., red.; KHABINSKAYA, F.A., red.; ZLOTNIKOV, A.L., red.; KORMNOV, Yu.F., red.; IOVLEVA, N.A., tekhn.red.; POTAPENKOVA, Ye.S., tekhn.red.

[Organization of production at industrial enterprises of the U.S.A.] Organizatsiia proizvodstva na promyshlennykh predpriiatiiakh SShA. Moskva, Izd-vo inostr.lit-ry. [Publ. in English as "Industrial Engineering Handbook."] Vol.1. 1960. 475 p.

(MIRA 13:11)

(United States--Industrial management)

BARAN, P. [Baran, Paul A.]; KON, V.L. [translator]; SOKOLOV, I.A. [translator]; VOLKOV, M.Ya., red.; KHABINSKAYA, F.A., red.; PRIDANTSEVA, S.V., tekhn.red.

[The political economy of growth] K ekonomicheskoi teorii obshchestvennogo razvitiia. Red.M.IA.Volkov. Moskva, Izd-vo inostr.lit-ry, 1960. 427 p. Translated from the English. (MIRA 13:12)

(Economic development)

UL'YANINSKIY, L.S.; KHABINSKAYA, L.G.

Dynamics of cardiac contractions in alternation of the pulse. Biul. eksp. biol. i med. 60 no.11:21-25 N '65.

(MIRA 19:1)

1. Laboratoriya klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR, Moskva. Submitted April 11, 1964.

RYNDICH, A.; GOLOVINKIN, V.; KHABINSKIY, I.

Draft of a price list for shoe repairing remained a draft. Mest.prom. i khud.promys. 4 no.3:18-19 Mr '63. (MIRA 16:4)

1. Nauchno-issledovatel'skiy tekhnokhimicheskiy institut.
(Boots and shoes--Repairing)

KHABIROV, A.S.

Unsteady flow of ground water toward vertical drainage holes. Izv.AN Uz.SSR. Ser.tekh.nauk no.2:62-69 '61. (MIRA 14:3)

1. Tashkentskiy institut irrigatsii i mekhanizatsii sel'skogo khozyaystva.
(Water, Underground)

KHABIROV, A.S.

Leaching salinized soils. Izv.AN Uz.SSR.Ser.tekh.nauk no.3:27-37 '61. (MIRA 14:6)

1. Tashkentskiy institut inzhenerov irrigatsii i mekhanizatsii sel'skogo khozyaystva.
(Leaching)

KOLBIN, M.A.; MAMAYEVA, K.N.; KHABIROV, F.R.

Determining C_2-C_5 hydrocarbons in gasolines by gas-liquid chromatography. Nefteper. i neftekhim. no. 4:18-21 '64. (MIRA 17:5)

1. Novo-Ufimskiy neftepererabatyvayushchiy zavod.

KHABIROV, G.G., inzh.

Test of the proper connection of secondary commutation networks.
Energetik 13 no.3:30-31 Mr '65. (MIRA 18:7)

KHAMIDULLIN, G.Z.

KHAMIDULLIN, G.Z., GIMADEYEV, KH.V.; YEDRENKIN, YE.I.; GUBAYDULLIN, M.S.; [illegible]; TRASUNOVA, YE.A.; redaktor; ZAYNULLINA, G.Z., tekhnicheskiy redaktor.

[Problems in long-range planning for collective farms] Voprosy perspektivnogo planirovaniia v kolkhozakh. Pod obshchei red. G.Z.Khamidullina. Ufa, Bashkirskoe knizhnoe izd-vo, 1957. 173 p. (MIRA 10:11)

(Collective farms)

BERIM, M.G.; KHABIROVA, G.Z.; SHAMSUTDINOV, N.S.

Buchin's medium in microbiological diagnosis of diphtheria. Nauch. trudy Kaz. gos. med. inst. 14:103-104 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (nav. - dotsent S.Kh.Karimova) Kazanskogo meditsinskogo instituta.

GUBAYDULLINA, A.Sh.; KHABIROVA, G.Z.

Identification of streptococci isolated from the root canals of teeth with periodontal diseases and tonsils. Nauch. trudy Kaz. gos. med. inst. 14:153-154 '64. (MIRA 18:9)

1. Kafedra terapevticheskoy stomatologii (zav. - dotsent G.D. Ovrutskiy) i kafedra mikrobiologii (zav. - dotsent G.Kh. Karimova) Kazanskogo meditsinskogo instituta.

KARIMOVA, Z.Kh.; KHABIROVA, G.Z.

Detection of the pathogenic properties of Leptospira in vitro. Nauch. trudy Kaz. gos. med. inst. 14:199-200 '64. (MIRA 18:9)

1. Kafedra mikrobiologii (zav. - dotsent Z.Kh.Karimova) Kazanskog meditsinskogo instituta.

L 45280-65 EEO-2/EWA(k)/EWT(d)/EWT(l)/EEC(c)-2/EEC-4/EEC(t)/T/EEC(b)-2/EWP(k)/
EWP(t)/EWP(b)-2 Pf-4/Pt-4/Pl-4/Pm-4/Po-4/Pa-4/Peb JHB/WO

ACCESSION NR: AP5003034 UR/0018/64/018/001/0135/0136

AUTHOR: Andreyev, S. I.; Ochelenkov, V. M.; Khabirzyalova, R. G. 65 60

TITLE: Resolution of optical shutter with Kerr cell

SOURCE: Optika i spektroskopiya, v. 18 no. 1, 1965, 135-136

TOPIC TAGS: optical shutter, Kerr cell, time resolution, light modulation

ABSTRACT: The authors have succeeded in using the fourth branch of the operating characteristic (voltage dependence of the ratio of the light intensities with crossed and parallel polaroids), corresponding to an operating voltage of approximately 2.5 kv for a Kerr cell with highly polished plates having no sharp corners. [illegible] A greater slope [illegible] passing through the cell a weakly [illegible] concomitant interference conoscopic picture. [illegible] ference could be obtained by using a small angle of inclination between the

Card 1/2

L 25280-65

ACCESSION NR: AP5003034

[illegible] a plane perpendicular to the optical axis of the beam. This made it [illegible] the voltage pulse corresponding to a depth of modulation of [illegible] compared with the first order. [illegible] interest and support." Orig. art. has: [illegible] formulas. [02]

[illegible] No name

[illegible] ENCL: 00

SUB CODE: [illegible] ATD PRESS: [illegible]

NR REF SOV: 002 OTHER: 004

KHABITUYEV, I.Kh.

Developing the fishing industry on Lake Baikal. Trudy BKNII no.5:204-208 '61. (MIRA 18:2)

[illegible], A.

[illegible]IZHNOV, B.: "Characteristics of the functional state of the resectional stomach." Kazakh State Medical Inst. imeni V. M. Molotov, Alma-Ata, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

KHABIZHANOV, B., Cand Med Sci — diss) " Characteristics of the functional state of a resected stomach." Alma-Ata, 1958. 13 pp (Kazakh State Med Inst), 350 copies (KL,24-58, 124)

KHABIZHANOV, B., kand.med.nauk

Treatment of fractures by operative osteosynthesis. Zdrav. Kazakh. 21 no.8:7-11 '61. (MIRA 14:9)

1. Iz kafedry gospital'noy khirurgii (zav. - dotsent K.Ch.Chuvakov) Semipalatinskogo meditsinskogo instituta.
(FRACTURES)