

MAGNITSKIY, Yu.A., kand. tekhn. nauk; KARMINSKIY, V.D., inzh.

Errors in the dimensions of Van der Waals' constant: given in reference
tables. Teploenergetika 11 no.8:96 Ag '64. (MIRA 18:7)

L 22726-66 EWT(d)/EEC(k)-2
ACC NR: AP6002927

(A)

SOURCE CODE: UR/0286/65/000/024/0088/0088

AUTHORS: Karminskiy, V. D.; Magnitskiy, Yu. A.; Popov, A. D.

22
B

ORG: none

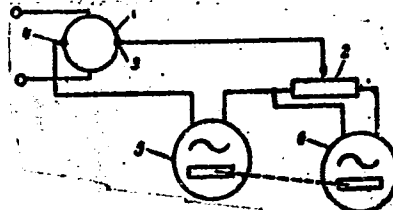
TITLE: Device for measuring indicated power. ^{AM} Class 42, No. 177121

SOURCE: Byulleten' izobretaniy i tovarnykh znakov, no. 24, 1965, 88

TOPIC TAGS: power meter, wattmeter, piston engine

ABSTRACT: This Author Certificate presents a device for measuring indicated power in the cylinder of piston engines. The device contains a pressure transducer, an amplifier, a double-coil wattmeter, and a control resistance. To obtain the arithmetic mean value of the indicated power of a piston engine, two synchronous generators are connected in one of the coils of the wattmeter (see Fig. 1).

Fig. 1. 1 - wattmeter; 2 - control resistance; 3 and 4 - coil terminals of wattmeter; 5 and 6 - synchronous generators.



The shafts of the generators are rigidly coupled together and to the engine shaft.
Orig. art. has: 1 diagram.

SUB CODE: 21/ SUEM DATE: 27May63
Card 1/1

UDC: 531.781.09

MOLODTSOV, V.S., red.; IL'IN, A.Ya., red.; MAGNUS-SCHINSKIY, V.S.,
red.

[Methodological problems in contemporary science] Metodologicheskie problemy sovremennoi nauki; sbornik statei. Moskva, Izd-vo Mosk. univ., 1964. 243 p. (MIRA 17:7)

FRANCIA, Olga Petrovna; FAMILIEN-NACHRICHTEN, 1935, no. 1.

(The mental and physical condition of Olga Petrovna, wife of the author, is described in this article. Source: FAMILIEN-NACHRICHTEN, 1935, no. 1, p. 1.)

MAGNUSEK, Zdenek

A new mining machinery factory. Uhli 5 no.7:254-255 JI '63.

1. Ostroj 04, Frydlant nad Ostravici.

YELISEYEVA, Mariya Fedorovna; MAGNUSHEVSKIY, K.; ROZOVA, L.

[High production of raw bricks by press SP-2] Vysokie s"emy kirpicha-
syrtsa s pressa SP-2. [Literaturnaya zapis' K. Magnushevskogo i L. Rozovoi]
Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1952. 46 p. (MLRA 6:7)
(Pressed brick)

MAGNUSHEVSKIY, K.

Birth of glass. Tekh.mol. 22 no.6:28-32 Je '54. (MLRA 7:6)
(Glass manufacture)

MAGNUSHEVSKIY, K.

~~House construction line.~~ Tekh. mol. 23 no.2:30-31 F '55. (MIRA 8:4)
(Building)

VASYUN'KIN, M.; ~~MAGYUSHEVSKIY, K.~~

Industrial cooperation of two enterprises. Sov.profsoiuzy 4 no.8:
60-62 Ag '56. (Moscow--Concrete) (MIRA 9:10)

~~MAGNUSHEVSKIY, E.~~

Butovo new settlers. Stroi.mat. 3 no.1:32-33 Ja '57.

(MLRA 10:3)

(Butovo Apartment houses)

11/15/57
MAGNUSHEVSKIY, K.

Largest in the world. Stroi.mat. 3 no.10:34-37 0 '57. (MIRA 10:10)
(Lyubertsy--Brickmaking)

MAGNUSHEVSKIY, K.

Back of the "satisfactory" average figures. Okhr.truda i sots.strakh.
no.8:60-62 Ag '59. (MIRA 12:11)
(Moscow Province--Hospitals--Construction)

MAGNUSHEVSKIY, K.; YARTSEV, N., red.; POKHLEBKINA, M., tekhn.red.

[Durable building materials] Prochnye stroitel'nye materialy.
Moskva, Mosk.rabochii, 1961. 82 p. (MIRA 15:2)
(Building materials)

MAGNUSHEVSKIY, L. K. (Vet.); GONCHAROV, A. F.; GULOSOV, T. M.; PANOV, I. .

"Treatment of necrobacillosis of reindeers."

SC: Veterinariya 27 (12), 1954, p. 25

Sci.-Res. Inst. of Polar Agric., Animal Husbandry and Professional Farming

107-57-1-46/60

AUTHOR: Magnushevskiy, R.

TITLE: Experience Exchange (Obmen opytom)

PERIODICAL: Radio, 1957, Nr 1, p 45 (USSR)

ABSTRACT: A special metal bracket is recommended for mounting electrolytic capacitors. Checking the sliding contact in a variable resistor by connecting the resistor in series with a radio-receiver antenna circuit is suggested. A simple device is suggested to prevent breaking thin (0.05-0.07 mm) wire during winding, etc. There is 1 figure in the article.

AVAILABLE: Library of Congress

Card 1/1

MAGNUSHEVSKIY, R.

Preparing solder sticks. Radio no. 7: Supp. 32 J1 '57. (MLBA 10:8)
(Radio--Repairing) (Solder and soldering)

Magnushevskiy, R

107-8-59/62

AUTHOR: Magnushevskiy, R., Ivanov, A., Moskva

TITLE: Experience Exchange. Driving Screws (Obmen opytom. Zavinchivaniye vintov)

PERIODICAL: Radio, 1957, Nr 8, p. 64 (USSR)

ABSTRACT: It is often difficult to reach and hold screws for driving purposes in a radio receiver. A piece of vinyl chloride tube, the inner diameter of which equals the diameter of the screw head, can help. One end of the tube is carefully heated and slipped on the screwdriver in such manner that the second end of the tube will overlap somewhat. Then the screw is inserted in the free end of the tube with its groove coinciding with the screwdriver's edge.

The following method of holding screws during the driving operation is also proposed: The groove of the screw and the edge of the screwdriver are pasted with asphalt or resin used for potting batteries. Then the screw is set on the edge of the screwdriver and the driving can begin.

Card 1/1

AVIALABLE: Library of Congress

MAGNUSHEVSKIY, R.

Method of fastening radio tube bases. Radio no.9: Supplement: 32
(MIRA 10:10)

S '57.

(Radio--Equipment and supplies)

REF ID: A5009836
TOPIC TAGS: BOOK EXPLOITATION
79-11
B-1

Magnuski, James

Tanks, 1914-1964 (Wozy bojowe, 1914-1964) 2d ed., rev. and enl.
[Warsaw] Wzrost MON, 1964 0471 p. illus., biblio., index.
3,000 copies printed.

TOPIC TAGS: amphibious armored car, amphibious armored carrier,
amphibious tank, aircraft self-propelled gun, armored car,
armored carrier, armored force, bridgelayer tank, combat car,
flamethrower, gun carrier, infantry carrier, self-propelled
gun, self-propelled rocket launcher, tank, tankdozer, tankette

PURPOSE AND COVERAGE: This handbook is intended for military personnel. It contains technical descriptions, specifications, and illustrations of tanks and other automotive combat and auxiliary vehicles and equipment, mainly tanks, used by the United States, the U.S.S.R., Czechoslovakia, Hungary, Poland, Austria, France, Holland, Canada, Germany, Switzerland, Sweden, Britain, Italy, Australia, and Japan. Armored forces of some countries are discussed. A few pictures of Soviet caterpillar-mounted rocket

Card 1/1

L 38130-97
AM5009836

Launchers are given. The Soviet Union, Czechoslovakia, Hungary, and Poland are presented on 89 pages, the other 11 countries on 144 pages. The discussion of the Soviet Bloc is mainly retrospective. East Germany is omitted. No personalities are mentioned. There are no references.

TABLE OF CONTENTS [Information on countries other than the Soviet Bloc is omitted.]

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5150-65
AMS009836

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PART II. Photographs and Descriptions of Combat Vehicles

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Czechoslovakia -- 156

Poland -- 260

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L. 38020-65
AMS009836

0

Hungary -- 341

U.S.S.R. -- 414

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SUB CODE: MS, WA SUBMITTED: 00Dec64 RE REF SOV: 016

OTHER: 167

Card 4/4

MAGNUSKI, Konrad

Comparison of the diameter growth and its variation in
the fir, spruce, and mixed fir and spruce tree stands.
Roczniki wuz szkola rol Poznan 14 75-90 '63.

1. Department of Forest Planning, College of Agriculture, Poznan.

ZABIELSKI, Boleslaw; MAGNUSKI, Konrad; WAZYNSKI, Bohdan; TOLCIAK,
Edward

Development analysis of oak regeneration in a pine stand
by using the gap cutting method. Roczniki wuz szkola rol
Poznan 14 233-247 '63.

1. Department of Forest Planning, College of Agriculture,
Poznan.

ZASIELSKI, Stanislaw, in: *Wzrost i rozwój*, WAZELSKI, Stanislaw, in: *Wzrost i rozwój*

Wzrost stania... wazelski, Stanislaw, in: *Wzrost i rozwój*

Prospective... Stanislaw, in: *Wzrost i rozwój*

Prospective... Stanislaw, in: *Wzrost i rozwój*

MAGNUSOV, D., agronom.

Conference on D.I. Mendeleev Collective Farm. Nauka i pered. op. v
sel'khoz. 7 no.12:57 D '57. (MIRA 11:1)
(Mendeleev, Dmitrii Ivanovich, 1834-1907)

ZONN, S.V., prof.; KOVALEV, R.V., prof. ; RUBILIN, Ye.V.; BENEVOLO'SKIY, S.A.,
dotsent; KAZINTSEV, A.G., dotsent; NEMERYUK, G. Ye.; dotsent;
BLAGORAZUMOV, V.; MAGNUSOV, D.C.

In memory of Professor Efim Fedorovich Pavlov. Pochvovedenie
no. 7:120-121 J1 '65 (MIRA 1941)

MAGNUS-SOMINSKIY V. S.

KURYLEV, Anatoliy Konstantinovich; YEFIMOV, O.S., red.; MAGNUS-SOMINSKIY, V.S., red.; KOZLOVA, T.A., tekhn. red.

[Overcoming the essential differences between intellectual and physical work is the problem of the building of communism] Preodolenie sushchestvennykh razlichii mezhdu umstvennym i fizicheskim trudom - problema stroitel'stva komunizma. Moskva, Izd-vo Mosk. univ., 1963. 399 p.

(MIRA 16:6)

(Labor and laboring classes) (Work)

GLINSKIY, Boris Alexandrovich; GRYAZNOV, Boris Semenovich;
DENIN, Boris Semenovich; NIKITIN, Yevgeniy Petrovich;
MAGNUS-SCHINSKIY, V.S., ed.

[Modeling as a scientific research technique; agnoseo-
logical analysis] Modellirovaniye kak metod nauchnogo issle-
dovaniya: gnoseologicheskiy analiz. Moskva, Izd-vo Mosk.
univ., 1968. 240 p. (MIRA 18:8)

DMITROCHENKO, Aleksandr Petrovich, prof.; MAGON, E.E., red.;
BARANOVA, L.G., tekhn. red.

[Manual of practical exercises in the feeding of farm
animals] rukovodstvo k prakticheskim zaniatiyam po korm-
leniiu sel'skokhoziaistvennykh zivotnykh. Moskva, Sel'-
khozizdat, 1963. 286 p. (MIRA 16:12)
(Feeding)

SOLNTSEV, Konstantin Mikhaylovich; SAPUNOV, Vasilii Andreyevich;
SALTYKOV, Fedor Ivanovich; NIKOLAYEVA, Yuliya Nikolayevna;
MAGON, E.E., red.; BAKANOVA, L.G., tekhn. red.

[Growth stimulators for farm animals] Stimulatory rosta
sel'skokhoziaistvennykh zhivotnykh. [By] K.M. Solntsev i dr.
Moskva, Sel'khozizdat, 1963. 290 p. (MIRA 16:12)
(Feeding) (Growth promoting substances)

VOLKOPYALOV, Boris Petrovich, prof.; MAGON, E.E., red.; FRIDMAN,
Z.L., tekhn. red.; BARANOVA, L.G., tekhn. red.

[Swine raising] Svinovodstvo. 3., perer. izd. Moskva,
Sel'khozizdat, 1963. 300 p. (MIRA 16:11)
(Swine)

MAGO,

1.
COUNTRY : HUNGARY
CITIZENSHIP : Chemical Technology. Chemical Products and
Their Applications. Water Treatment. Sewage.
APP. JOUR. : B.KHID., No. 23 1959, No. 22717
AUTHOR : Mago, I.
ISS. :
TITLE : Purification of effluent water from Soda-bicarb
Water Treatment Installations
COUN. PUB. : Szolitepszet, 1958, 5, No 5-6, 234-238
ABSTRACT : Presented are data for design and construction
of settlers.

CARD: 1/1

H - 26

MACC, Istvan

Experiences with oil-industry sewage purification in Hungary and some new relevant methods. Hidrológiai Közlemények no.1:19-29. 1962.

1. Építészeti Minisztérium Melyépítési Tervező Vállalat, Budapest.

1978, No. 1.

AC, 1. Programs with television picture transmission and sound. (1978),
remarks by 1. index. p. 107.

Vol. 1, No. 1, 1978.

TECHNICAL

TECHNOLOGY

Budapest, Hungary

See: East European Accessions, Vol. 1, No. 1, 1978

MAGO, K.

MAGO, K. - Cathode-ray tubes; a lecture. p. 117
Planned tasks of the postal service for innovations in
telecommunication during the 3d quarter of the year. p.(3)
of cover. Vol. 7, no. 4, Aug. 1956
Magyar Híradastechnika - Budapest, Hungary

SOURCE: East European Accessions List (E:AL) Vol. 6, No. 4--April 1957

MAGO, Kalman; REDL, Endre; PAPP, Gyula; MAJOR, Janos; KOMPORDAY, Aurel

Television picture tubes; also remarks by E.Redl and others.
Muszaki kozl MTA 26 no.1/4:109-122 '60. (EEAI 9:10)

1. Tavkozlesi Kutato Intezet (for Mago)
(Hungary--Television)

TELEK, Eva; JURASZ, Jozsef, dr.; MAGD, Kálmán, dr.; KOVACSNAZY, Frigyes

Debate about the training of engineers. Műszaki 19 no. 1
23 Apr 64.

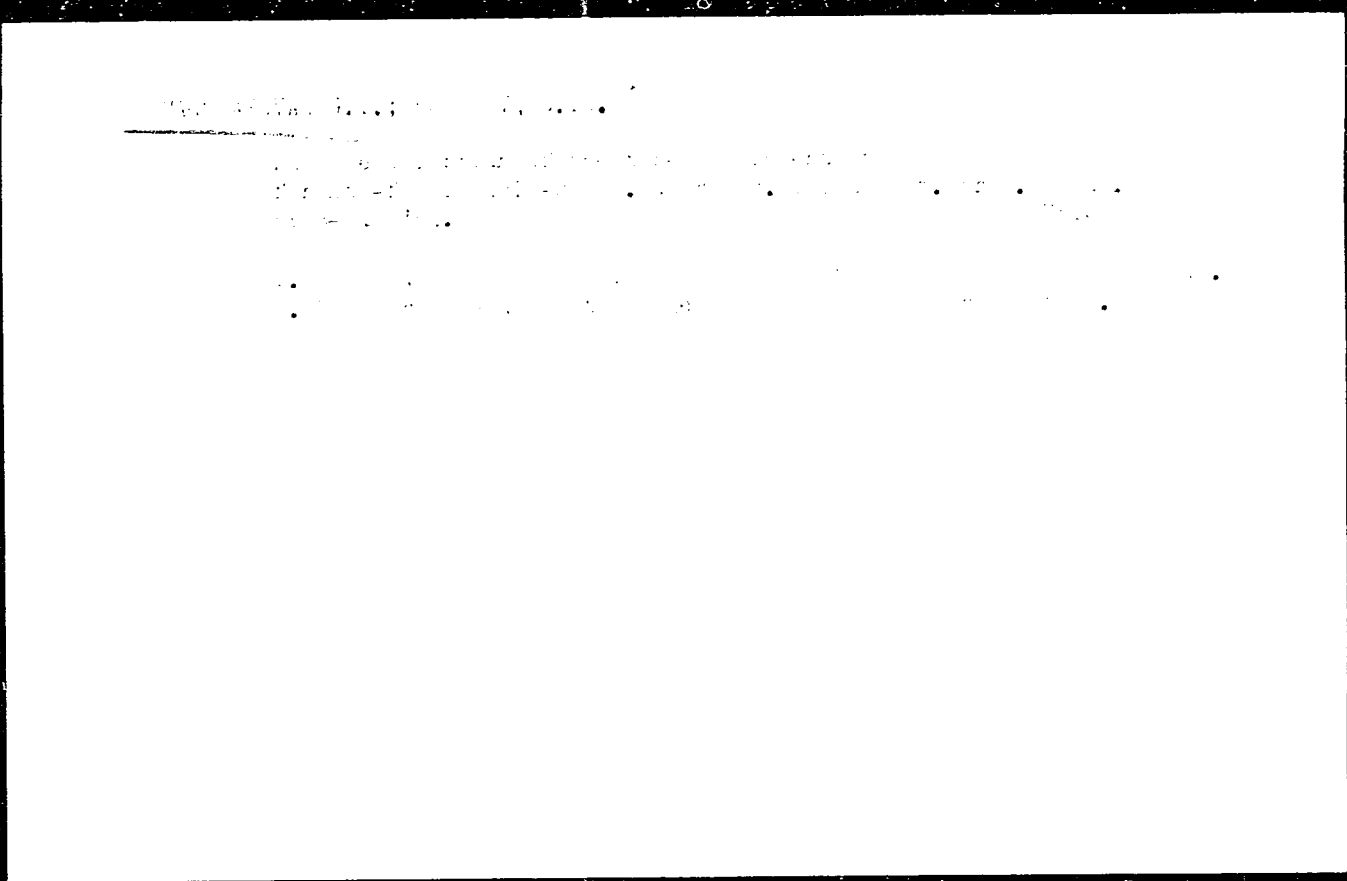
1. Chairman, Educational Committee, Hungarian Zoologic Society (for Jurasz).
2. Temporary Secretary General, Scientific Association of Telecommunication Engineering (for Magd).
3. Chairman, Educational Committee, Section of Construction, Scientific Association of Transportation (for Kovacsnazy).

MAGOLIC, Milos

Historical survey of the development of the iron industry in the Gorenjsko region. *Livar vest* 11 no.6:161-169 '64.

1. Technical Museum of the Jesenice Ironworks, Jesenice.

MAGOMAYEV, A. A. Cand Tech Sci -- (diss) "Study of the blubbers of Caspian seals." Makhachkala, 1959. 16 pp. (Min of Higher Education USSR. Mosrybvtuz [Mos Tech Inst of Fish Industry and Fisheries] im A. I. Mikoyan. Chair of Technology of Fish Products), 150 copies (KL, 44-59, 127)



NOVOPLYANSKAYA, R.; BRIK, A.O., metodist; AYUPOVA, K.V., prepodavatel';
SOKOLOV, B.M., uchitel' geografii; SYCHEV, V.G., uchitel'
geografii; MAGOMED, M., khalimanov, uchitel' geografii;
AZIMOV, D.B.

Editor's mail. Geog. v shkole 26 no.6:51-54 N-D: '63.
(MIRA 17:1)

1. Melitopol'skiy pedagogicheskiy institut (for Novoplyanskaya).
2. Lipetskiy institut usovershenstvovaniya uchiteley (for Brik).
3. Pedagogicheskoye uchilishche g. Kansk, Krasnoyarskiy kray (for Ayupova).
4. 29-ya srednyaya shkola Novosibirskaya (for Sokolov).
5. Lyublinskaya shkola-internat No.2 Khar'kovskoy oblasti (for Sychev).
6. Kudalinskaya shkola Gunibskogo rayona Dagestanskoy ASSR (for Khalimanov).
7. Mikrokskaya odinnadtsatiletnyaya shkola Akhtynskogo rayona Dagestanskoy ASSR (for Azimov).

USSR/Diseases of Farm Animals - Diseases Caused by Helminths. R.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 26326

Author : Magomedbekov, U.A. 1571

Inst : Dagestan Institute of Animals Husbandry, Academy of Sciences, USSR.

Title : Diagnosis of Trichocephalosis in Sheep.

Orig Pub : Tr. In-ta zivotnovodstva, Dagest. fil. AN SSSR, 1956, 4, 205-209

Abstract : Description of intra-vitam (clinical and coprological) and post-mortem diagnosis of trichocephalosis in sheep, which is caused by Trichocephalus ovis and T. skrjabini, as well as differential diagnosis of these helminth species according to their egg structure and the morphological characteristics of adult parasites. Drawings of eggs and the vagina of the whipworm [Trichuris trichiura]

Card 1/2

PROGRAMME 35-01 A

1. The purpose of this programme is to provide a means of...
 2. The programme is designed to be used by...
 3. The programme is designed to be used by...
 4. The programme is designed to be used by...

5. The programme is designed to be used by...
 6. The programme is designed to be used by...
 7. The programme is designed to be used by...

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USSR/Diseases of Farm Animals - Diseases of Undetermined
Etiology

R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21443

Author : Magonedov, A.A.

Inst : Leningrad Institute for the Advanced Training of
Veterinarians

Title : A Disease of Piglets with Symptoms of Functional Distur-
bance of the Nervous System (Ederatous Disease)

Orig Pub : Sb. nauch. tr. Leningr. inst usoversh. vet. vrachev,
1957, vyp. 11, 133-141

Abstract : In recent years a disease of piglets with symptoms of
disturbances of the nervous system was recorded in a
number of oblasts in the northwest area of the USSR.
The disease is observed to occur mostly during the se-
cond half of the summer and in the fall, it affects

Card 1/4

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USSR/Diseases of Farm Animals - Diseases of Undetermined
Etiology

R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21443

10-40 percent of piglets 1¹/₂-4 months old and it entails a very high death rate (85-95 percent, sometimes even 100 percent). Clinically, the disease progresses in 2 stages: an initial and a paralytic stage. During the initial stage, loss of appetite and a state of depression are noted. The body's temperature is normal. The animals stumble when they walk, the buttocks are observed to shake in various degrees, and also a tendency to move in circles is present. The eyelids are swollen, the breathing is characterized by an abdominal type sniffling. The skin's sensitivity is increased. Subsequently, breathing becomes more difficult, motor coordination is greatly impaired, and a paralysis of the thoracic and pelvic extremities takes place. In some cases the first disease symptoms consist in slight diarrhea and vomiting. The body's temperature rises by 0.5-1° C.

Card 2/4

USSR/Diseases of Farm Animals - Diseases of Undetermined
Etiology

R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21443

Later, after the symptoms of the disease have seemingly disappeared, nervous symptoms develop, such as impairment of the motor coordination and paralysis of the extremities. The second, paralytic stage of the disease which does not last longer than 4-10 hours, is characterized by a paralysis of the extremities, progressively decreasing temperature of the body and a widening of the pupils. The pulse is weak and of a high frequency, the breathing is labored. Reflexes become gradually extinguished and the animal dies. Autopsies reveal jelly-like edemas in various organs and tissues, a hyperemia of the lymphatic nodes and of the mucous and serous membranes of the gastrointestinal tract. Histologically, nonpurulent encephalitis is found quite often. Various preparations were used for treating the sick piglets (sera against Aujeszky's disease, swine plague and erysipelas,

Card 3/4

- 39 -

MAGOMEDOV, A. A., Cand Vet Sci -- (russ) "'Edematous disease' of young pigs." Len, 1958. 19 pp (Len Vet Inst, Min of Agriculture USSR), 120 copies (KL, 17-58, 111)

- 70 -

MAGOMEDOV, A.D.

DECEASED
c 1960

1961/1

SEE ILC

ENGINEERING

ALIYEV, A.G.; MAGOMEDOV, A.M.

Lithology and facies characteristics of carbonate Jurassic and
Valangin sediments in Daghestan and northern Azerbaijan. Izv. AN
Azerb.SSR. Ser.geol.-geog. nauk i nefti no.4:37-43 '63.
(MIRA 17:4)

MAGOMEDOV, A. I.

Methods improved for the detection of...
Dimbs. Sov. Sci. Ser. ... (MIRA)

1. Izvestiya ...
nauki Depzeta ...
me ...

MAGOMEDOV, A. . .

Methods of the (MIRA)

1.
науч. деп-та
медитация

MAGOMEDOV, B. M., Cand. Medic. Sci. (diss) "Influence of Splenectomy on Formation of Calluses for Fractures of Tubular Bones (Experimental Investigation)," Volgograd, 1961, 18 pp. (Volgograd Med. Inst.) 260 copies (KL Supp 12-61, 286).

MAGOMEDOV, D.M.

Building high-quality roads in Daghestan. Avt. dor. 23 no.4:13
Ap '60. (MIRA 13:6)

1. Nachal'nik upravleniya avtomobil'nogo transporta i shosseynykh
dorog pri Sovete ministrov Dagestanskoy ASSR.
(Daghestan--Road construction)

MAGOMEDOV, G.G.

Experimental cultivation of button clover. *Byul.Glav.bot.sada no.20:*
47-50 '55. *(MLBA 8:9)*

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Button clover)

MAZOMEDOV, G. G.

Mazomedov, G. G.

"Species of lucerne among the natural flora of Dagestan and the possibility of their economic exploitation." Min Education RSFSR. Moscow Oblast Pedagogical Inst. Moscow, 1966. (Dissertation for the Degree of Biological Sciences.)

Knizhnaya Letopis'
No. 1^a, 1956. Moscow

S/062/62/000/011/013/C21
B101/B144

AUTHORS: Nesmeyanov, A. N., Anisimov, K. N., Kolobova, N. Ye., and
Magomedov, G. K.

TITLE: Reaction of acetyl cyclopentadienyl manganese tricarbonyl with
Grignard reagent and with Iotsich complex

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh
nauk, no. 11, 1962, 2072 - 2073

TEXT: Reaction of acetyl cyclopentadienyl manganese tricarbonyl with the
corresponding Grignard reagents and with the Iotsich complex produced
tertiary alcohols of acetylenes with the general structure

$$\text{CH}_3-\overset{\text{OH}}{\underset{\text{R}}{\text{C}}}-\text{C}_5\text{H}_4\text{Mn}(\text{CO})_3, \text{ R} = -\text{C}\equiv\text{CH}, -\text{C}\equiv\text{C}-\text{CH}=\text{CH}_2, -\text{CH}_2-\text{C}\equiv\text{CH}, -\text{C}\equiv\text{C}-\text{C}_6\text{H}_5, \text{ and the}$$

$$\text{glycol } \text{HO}-\overset{\text{CH}_3}{\underset{(\text{CO})_3\text{MnH}_4\text{C}_5}{\text{C}}}-\text{C}\equiv\text{C}-\overset{\text{CH}_3}{\underset{\text{C}_5\text{H}_4\text{Mn}(\text{CO})_3}{\text{C}}}-\text{OH}. \text{ The alcohols are thick yellow liquids, the glycol is}$$

Card 1/2

Reaction of acetyl...

S/062/62/000/011/013/021
B101/B144

crystalline. The structures of the synthesized compounds were confirmed by the IR spectra. The relevant data will be published later. Compounds obtained: 2-hydroxy-2-cyclopentadienyl-manganese-tricarbonyl-butyne-3, yield 81%, b.p. 27°C/10⁻² mm Hg, n_D²⁰ 1.5912, d₄²⁰ 1.4131; 2,5-dihydroxy-2,5-bis-(cyclopentadienyl-manganese-tricarbonyl)-hexyne-3, m.p. 142 - 143°C without decomposition, yield 40%; 2-hydroxy-2-cyclopentadienyl-manganese-tricarbonyl-4-phenyl-butyne-3, yield 71%, b.p. 70°C/10⁻² mm Hg, n_D²⁰ 1.6236, d₄²⁰ 1.3386; 2-hydroxy-2-cyclopentadienyl-manganese-tricarbonyl-hexen-5-yne-3, yield 90%, b.p. 80°C/10⁻² mm Hg, n_D²⁰ 1.5945, d₄²⁰ 1.3307; 2-hydroxy-2-cyclopentadienyl-manganese-tricarbonyl-pentyne-4, yield 63%, b.p. 40°C/10⁻⁴ mm Hg, n_D²⁰ 1.5850, d₄²⁰ 1.3635.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk SSSR
(Institute of Elemental Organic Compounds of the Academy of Sciences USSR)

SUBMITTED: June 4, 1962
Card 2/2

ANISIMOV, K.N.; KOLOBOVA, N. Ye.; MAGOMEDOV, G. I.; DVOYANTSEVA, G.G.

Ethers of 2-hydroxyhexen-5-yn-3-yl-2-cyclopentadienylmanganese
tricarbonyl. Izv. AN SSSR Ser. khim no.7:1320-1322 31 '64.
(MIRA 17:)

1. Institut elementoorganicheskikh soedineniy AN SSSR.

NESMEYANOV, A.H., akademik; ANTSIMOV, K.N.; KOLOBOVA, I.Ye.; MAGMEDOV,
G.K. - I.

Isomerization of 2-hydroxy-4-pentyn-2-yl-cyclopentadienyl-
manganetricarbonyl and 2-hydroxy-2-phenyl-4-methylpentyne
to the respective enones. Dokl. AN SSSR 158 no.1:163-166
S - O '64 (MIRA 17:2)

1. Institut elementorganicheskikh soedineniy AN SSSR.

NESMEYANOV, A.N.; ZAYTSEV, V.A.; ANISIMOV, K.N.; LERNER, M.O.;
KOLOBOVA, N.Ye.; PORETSKAYA, A.P.; MAGOMEDOV, G.K.

Antidetoning effectiveness of some organic compounds of
manganese. Neftekhimiya 5 no.6:892-896 N-D '65. (MIRA 19:2)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. Submitted
Nov. 12, 1964.

NESMEYANOV, A.N.; MAGOMEDOV, G.K.; KOLOBOVA, N.Ye.; ANISIMOV, K.N.

Condensation of acetylcyclopentadienylmanganese tricarbonyl
into 2-butenon-4yl-2,4-biscyclopentadienylmanganese tricarbonyl.
Izv. AN SSSR. Ser. khim. no.8:1496-1497 '65. (MIRA 18:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

L 64481/65 ENT(m)/EFE(G)/ENR(1)/EWA(Z) RM

UR/0020/65/163/005/1159/1162

ACCESSION NR: AP5021282

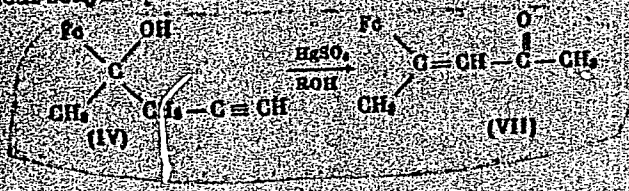
AUTHORS: Nesmeyanov, A. N. (Academician); Anisimov, K. N.; Kolobova, N. Ye.; Vagomedov, G. K. I.

TITLE: Isomerization of tertiary β -acetylene alcohols, derivatives of cyclopentadienylmanganese-tricarbonyl and ferrocene

SOURCE: AN SSSR. Doklady, v. 167, no. 5, 1965, 1159-1162

TOPIC TAGS: isomeric transition, tertiary acetylene alcohol, ferrocene

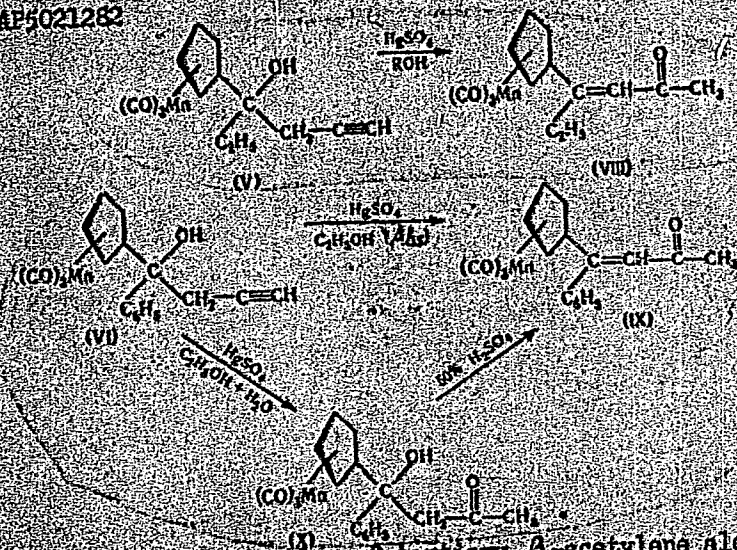
ABSTRACT: The work is an extension of the investigation of A. N. Nesmeyanov, K. N. Anisimov and others (DAN, 158, 163, 1964). It was found that the isomerization of the various alcohols in the presence of reagents ferrocene and cyclopentadienylmanganese-tricarbonyl proceeds as follows:



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67491-63

ACCESSION NR: AP5021282



It is concluded that the isomerization of tertiary β -acetylene alcohols represents an anionotropic re-arrangement, the first stage of which is the heterolysis of C-OH bond with the formation of carbonium ion. The authors thank Yu. N. Shevker and G. G. Dvoryantsaeva for the determination of IR and UV spectra.

Card 2/250

L 64481-65

ACCESSION NR: AP5021282

Orig. art. has: 1 table and 7 equations.

ASSOCIATION: Institut elementoorganicheskikh soedineniy, Akademi nauk SSSR
(Institute for Heteroorganic Compounds, Academy of Sciences SSSR)

SUBMITTED: 10Mar65

ENGL: 00

SUB CODE: 00

NO REF SOV: 001

OTHER: 000

llc
Card 3/3

Авторы: КОЛОБКОВ, А. Н.; МАГОМЕДОВ, Г. К.-1.

Synthesis and isomerization of
4-hydroxy-4-methyl-2-octenyne-4-yl 2-cyclopentyl-
manganese tricarbonyl. Dokl. AN SSSR 165 no.4:817-818, 1965.
Institut elementoorganicheskikh soedineniy AN SSSR
dated April 26, 1965.

- 10644-66 EWT(m)/T WE/RM
 ACC NR: AP6002075
 SOURCE CODE: UR/0204/65/005/006/0892/089
 AUTHOR: Nesmeyanov, A. N.; Zaytsev, V. A.; Anisimov, K. N.; Lerner, M. O.; Kolobova, N. Ye.; Poretskaya, A. P.; Magomedov, G. K.

ORG: Institute of Heterorganic Compounds AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

TITLE: Antiknock effectiveness of certain organomanganese compounds

SOURCE: Neftekhimiya, v. 5, no. 6, 1965, 892-896

TOPIC TAGS: antiknock compound, organomanganese compound, fuel additive

ABSTRACT: The antiknock effectiveness of manganese carbonyl (MC) and of cyclopentadienyltricarbonylmanganese⁷(CTM) derivatives was compared with that of CTM and tetraethyllead (TEL). The effectiveness of the individual organomanganese compounds in different concentrations was studied in various fuels by the standard motor method for determining the octane number. It was shown that for a given metal content in the fuel: 1) the antiknock effectiveness of MC in comparison with that of CTM and TEL is as follows: a) In automotive gasolines A-66 and A-72, lower; b) in a mixture of isooctane (60%) and heptane (40%), nearly the same; c) in the aviation gasoline B-95/130, lower. 2) The antiknock effectiveness of MC-CTM mixture in B-95/130 gasoline is equal to that of CTM. 3) The antiknock effectiveness of 2[2-(alkoxy)-5-he x e n-3-ynyl]cyclopentadienyltricarbonylmanganeses depends on the alkoxy group and

UDC: 547.514.72'171.1:665.521.23

Card 1/2

L 10644-66

ACC NR: AP6002075

drops in the sequence $-OC_2H_5 > -OC_3H_7 > -OCH_2-CH=CH_2 > -OCH_3 > -OC_4H_9$.
 2[2-(Ethoxy)-5-hexen-3-ynyl]cyclopentadienyltricarbonylmanganese improves the octane
 rating by two numbers as compared with CTM. 4) Introduction of acyl or benzoyl
 groups into the CTM molecule lowers its antiknock effectiveness. Orig. art. has:
 1 fig. and 6 tables. [BO]

SUB CODE: 21/ SUBM DATE: 12Nov64/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS:
 469

PC
 Card 2/2

MIR MIRA, V.I.

Continued from the previous page. A similar internal
report of the same name. No. 100 of 1960. 41811-214
12 195. (MIRA 18:8)

1. Dag-bera, V.I. (MIRA 18:8) in V.I. Leningrad.
Submitted January 19, 1950.

MAGOMEDOV, K.M.

Supersonic flow about blunt bodies with a known sonic point. Izv.
AN SSSR.Otd.tekh.nauk.Mekh.1 mashinostr. no.1:111-117 Ja-F '63.
(MIRA 16:2)

(Aerodynamics, Supersonic)

ACC NR: AP7002930

SOURCE CODE: UR/0020/66/171/006/1297/1300

AUTHOR: Fagomedov, K. M.

ORG: Moscow Physicotechnical Institute (Moskovskiy fiziko-tekhnicheskiy institut)

TITLE: Calculation of surfaces by space method characteristics

SOURCE: AN SSSR. Doklady, v. 171, no. 6, 1966, 1297-1300

TOPIC TAGS: gas dynamics, aerodynamic characteristic, aerodynamic boundary layer, mathematic analysis

ABSTRACT: The article demonstrates mathematically that in different schemes for finding the points of the required boundary surfaces (shock wave, free surface), it is necessary and sufficient to make use of a single combination of the differential equations of gas dynamics. It assumes the equations for the steady-state supersonic movement of an ideal gas in the form:

$$\begin{aligned} \cos \gamma k_2 \nabla \beta + k_3 \nabla \gamma + Q_1 k_1 \nabla p = F_1, & \quad \cos \gamma k_1 \nabla \beta + Q k_2 \nabla p = F_2, \\ k_1 \nabla \gamma + Q k_3 \nabla p = F_3, & \quad k_1 \nabla S = 0, \end{aligned} \quad (1)$$

where the velocity vector in cylindrical coordinates z, r, φ is taken in accordance with the relationship $\mathbf{V} = V \{ \cos \beta \cos \gamma, \sin \beta \cos \gamma, \sin \gamma \}$; $k_1 = V/V$,
 $k_2 = \cos^{-1} \gamma \partial k_1 / \partial \beta$, $k_3 = \partial k_1 / \partial \gamma$

UDC: 533.6.011.3/5

Card 1/2

ACC NR: AP7002930

is a local Cartesian system; $F_i = F_i(\beta, \delta, r)$, $Q = Q(P, S)$, $Q_i = Q_i(P, S)$, $k_i \nabla^2$ is the derivative in the direction of the vector k_i . The remainder of the article is devoted to a mathematical solution of the problem on the above premises. The paper was presented by Academician Dorodnitsyn, A. A. on 6 March 1966. Orig. art. has: 13 formulas and 2 figures.

SUB CODE: 20/ SUBM DATE: 28Feb66/ ORIG REF: 007/ OTH REF: 001

Card 2/2

L 1964-65 EEC(b)-2/EWT(l)/EWT(m)/EWP(b)/T/EMP(t) LJP(g)/BAEM(a)/AFGL/ASD(a)-5/
ACCESSION NO: AP5000292 SSD/ESD(ds)/ESD(ts) 0070/64/009/006/0902/0909

EG/JD

AUTHOR: Magomedov, Kh. A.; Sheftal', N. N.

TITLE: Growth mechanism of gallium arsenide epitaxial layers

SOURCE: Kristallografiya, v. 9, no. 6, 1964, 902-909

TOPIC TAGS: gallium arsenide semiconductor, epitaxial film, single crystal film, polycrystalline film, epitaxial growth, chemical transport reaction, epitaxial film morphology

ABSTRACT: The epitaxial deposition rate of GaAs and growth habits of GaAs thin films on a GaAs single-crystal substrate have been studied in a vertical open-tube system. The epitaxial deposition was carried out by the chemical transport reaction using iodine vapors. The study was prompted by the increasing application of GaAs epitaxial films in the construction of solid-state devices (transistors, diodes, tunnel diodes, electroluminescent lamps, lasers). The effect of variable growth parameters — temperature of the substrate and the source, iodine partial pressure, carrier-gas (hydrogen) flow rate — were studied to clarify the mechanism of the growth of GaAs thin films.

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L 19641-65

ACCESSION NR: AP5000292

Experiments were carried out in a three-zone furnace with individual temperature control in each zone. The source (in zone 2) was n-type GaAs single crystals. The substrate (in zone 3) was chemically etched, weighed, and gas etched in an iodine vapor stream. The epitaxial films had the same conductivity type and resistivity as the source. Microinterferometric, micrographic, and electronographic investigations indicated that the deposition rate and morphology of epitaxial films on (111) A and (111) B planes depend mainly on substrate temperature (in the 550-700°C range), iodine partial pressure (in the 0.7-8.2 mm Hg range), and hydrogen flow rate near the source (in the 5-30 cm/sec range). Optimum conditions were established for a single crystal deposit on the (111) plane, without geometrical surface patterns. Polycrystalline layers were observed on both planes of the substrate at certain temperatures and at iodine partial pressure. Various geometrical patterns including twins were always present on (111) B surfaces. The maximum deposition rate was 90 μ /hr — on the (111) A plane. Orig. art. has: 8 figures and 2 formulas.

ASSOCIATION: Institut kristallografi AN SSSR (Institute of Crystallography, AN SSSR)

Card 2/3

L 19641-65

ACCESSION NR: AP5000292

SUBMITTED: 09Jun64

NO REF SOV: 002

ENCL: 00

OTHER: 015

SUB CODE: 88

ATD PRESS: 3158

Card 3/3

L 15968-66 EWT(m)/T/EWP(t)/EWP(b) LJP(e) JD/JG

ACC NR: AT6002273

SOURCE CODE: UR/2564/65/006/000/0388/0392

AUTHOR: Magomedov, Kh. A.; Sheftal', N.N.

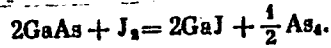
ORG: none

TITLE: Growing of epitaxial gallium arsenide films. (Paper presented at the Third Conference on Crystal Growing held in Moscow from 18 to 25 November, 1963.)

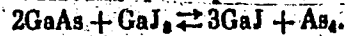
SOURCE: AN SSSR. Institut kristallografi. Rost kristallov, v. 6, 1965, 388-392

TOPIC TAGS: epitaxial growing, gallium arsenide

ABSTRACT: The article describes the apparatus and method developed for preparing epitaxial gallium arsenide films by the open hydrogen-iodide method. In this method, a stream of hydrogen carries iodine vapor, which encounters gallium arsenide in the high-temperature zone and reacts as follows:



The reaction products are carried to a cooler zone, where the second reaction occurs on the surface of a substrate:



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ACC NR: AT6002273

2

The constructed device makes it possible to reproduce the experimental conditions more accurately, to carry out the process under conditions close to equilibrium, and to produce and maintain in the working volume the required temperature profile and other parameters of the process. The device was used to prepare single-crystal epitaxial gallium arsenide films grown on single-crystal gallium arsenide and germanium substrates. It is also suitable for preparing epitaxial films of silicon, germanium, and other semiconducting materials. Authors thank V. F. Martynov for his high-quality glass-blowing work. Orig. art. has: 1 figure.

SUB CODE: 20, 07 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 003

bvk

Card 2/2

L 15205-66 EWT(m)/T/EWP(t)/EWP(b) LJP(c) JD/JG

ACC NR: AP6001227 (A) SOURCE CODE: UR/0363/65/001/012/2113/2119

AUTHOR: Magomedov, Kh. A.; Sheftal', N. N.

ORG: Institute of Crystallography, Academy of Sciences SSSR (Institut kristallografi Akademii nauk SSSR)

TITLE: Mechanism of growth and defects of epitaxial gallium arsenide films

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 12, 1965, 2113-2119

TOPIC TAGS: epitaxial growing, gallium arsenide, crystal defect

ABSTRACT: The effect of mainly two factors, the crystallization temperature in the 550 - 850C temperature range and partial pressure of iodine in the 0.6 - 8 mm Hg pressure range, on the perfection of GaAs epitaxial films was investigated. At 640 - 650C packing defects in the form of equilateral triangles, isosceles trapezoids, and single lines are formed on surface A (111). Sometimes growth pits also appear. At higher temperatures of the deposition zone (700 - 850C), only growth pits in the form of trigonal, ditrigonal, hexagonal truncated, and complete pyramids are formed. The formation of stacking faults and growth pits is due to the presence of oxide islets of $\beta\text{-Ga}_2\text{O}_3$ on the substrates. No growth pits or stacking faults are formed on surface B (111), but penetration twins appear at low temperatures (640C) and truncated and complete pyramids are formed at 700 - 750C. When the GaAs source is at 1000C and the substrates at 640C, the iodine partial pressure is 2.26×10^{-3} mm Hg and the

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UDC: 546.681'191

L 15205-66

ACC NR: AP6001237

flow rate is 5 cm/sec, no growth figures whatever form on surface A (111) if the surface of the substrate is subjected to annealing and gas etching prior to the growing. Authors thank Yu. N. Yarmukhamedov for assistance in the microscopic study and in obtaining photomicrographs of the film. Orig. art. has: 5 figures and 1 formula.

SUB CODE: 11, 20 / SUBM DATE: 31May65 / ORIG REF: 002 / OTH REF: 016

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Card

M. VIZIOM, Ph.D., and M. F. ...

... of growth of ... films of ...
... R. Neogy, ... 12 7120-7127 ... 1965
... Institute of ... submitted May 11, 1965.

L 12773-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JW/JG

ACC NR: AP6003369

SOURCE CODE: UR/0363/66/002/001/0117/0123

AUTHOR: Magomedov, Kh. A.ORG: Institute of Crystallography, Academy of Sciences SSSR (Institut kristallografi
Akademii Nauk SSSR)TITLE: Equilibrium conditions and supersaturation in the Ga's-I₂-H₂ system

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 1, 1966, 117-123

TOPIC TAGS: crystal growth, epitaxial growing, gallium arsenide, thin film, chemical transport reaction, reaction mechanism

ABSTRACT: Supersaturation of the vapor phase in the GaAs deposition region has been calculated as a function of crystallization temperature in the 600—850 C range in the open flow system of gallium arsenide iodine hydrogen. This research work was prompted by the lack of data on supersaturation which is a very important parameter of crystallization, and determination of which helps to understand the mechanism of crystal growth by chemical transport reactions. The known formula for isobaric-isothermic potential was used for calculating supersaturation on the basis of the experimental equilibrium data which were obtained for the reaction: $2\text{GaAs}_{(s)} + \text{GaI}_3(g) \rightleftharpoons 3\text{GaI}(g) + 1/2 \text{As}_4(g)$ in the deposition region of the open flow system. The open flow apparatus was a vertical tube in which hydrogen saturated with iodine vapors was flowing at atmospheric pressure and in a temperature gradient through a layer of GaAs. Compari-

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UDC: 541.123.3-546.681'191-546.15-546.11

L 12773-66

ACC NR: AP6003369

son of experimental weight loss measurement data with calculated data served as a criterion of equilibrium. It was shown that the near equilibrium conditions for GaAs thin film deposition were: 1000C at the GaAs source, 640C at the substrate, 2.26×10^{-3} molar iodine concentration in the $H_2 + I_2$ mixture, and 5cm/sec space velocity over the source. Supersaturation in the deposition region increased from 2 to 7 when temperature was decreased from 850 to 600C. Enthalpy ΔH was also calculated from the experimental data both for the reaction at the source: $2GaAs(s) + I_2(g) = 2GaI(g) + 1/2 As_4(g)$ and for the above given reaction in the deposition region. The ΔH_{1000K} of the first reaction was found lower than the value calculated from literature data, and ΔH_{1000K} of the second reaction was nearly the same as the value based on literature data. Orig. art. has: 5 figures, 1 table, and 22 formulas. [JK]

SUB CODE: 07, 20/ SUBM DATE: 03May65/ ORIG REF: 002/ OTH REF: 006/ ATD PRESS:

4184

Card 2/2 HW

L 22865-66 EWT(1)/EWP(m)/EWA(d)/EWA(1) RM/WW

ACC NR: AP6011360

SOURCE CODE: UR/0208/66/006/002/0313/0325

AUTHOR: Magomedov, K. M. (Moscow)

61
66
B

ORG: none

TITLE: A method of characteristics for numerical calculation of three-dimensional flows

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 2, 1966, 313-325

TOPIC TAGS: supersonic aerodynamics, supersonic flow, three dimensional flow, steady flow, shock wave, flow analysis

ABSTRACT: A number^(1, 4/5) of methods of characteristics for numerical calculation of three-dimensional supersonic flows or unsteady two-dimensional problems of gas dynamics are evaluated and their complexity stressed. A new approach is outlined by which relative simplicity and uniformity are attained. The equations of a steady three-dimensional supersonic flow are transformed to an equivalent characteristic form which is not the only possible one. Therefore, a general form of characteristic correlations (compatibility conditions) is considered along a single-parameter family of bicharacteristics passing through a given point. It is demonstrated that an equation describing supersonic steady flow can be reduced by equivalent transformations to a system containing variables only along streamlines and bicharacteristic directions

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UDC: 517.9-533.7

L 22865-66

ACC NR: AP6011360

at a given point. It is also established that in contrast to a corresponding two-dimensional scheme, the order of difference approximations is reduced to the first order in the purely three-dimensional case. Difference equations are derived, and the parameters of the desired point are obtained from two correlations along streamlines and two along bicharacteristics. Four elementary problems are considered: determination of points inside the flow, on the surface of the body, on a shock wave, and on a free surface. The method described here is substantiated by numerical calculation of hypersonic flows past a spherically blunted cone with semiapex angles of $4^{\circ}53'$ and $9^{\circ}30'$ at $M_{\infty} = 6$ and at an angle of attack $\alpha = 5^{\circ}$. The author thanks V. V. Lunev for constant interest in the work. Orig. art. has: 3 figures and 35 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 13Mar65/ ORIG REF: 006/ OTH REF: 007/ ATD PRESS:

4232

Card 212 *LC*

L 07836-67 EWT(m)/EMP(t)/ETI IIP(c) JD
ACC NR: AP6024673 (A) SOURCE CODE: UR/0070/66/611/604/6673/6680

AUTHOR: Magomedov, Kh. A.; Yarmukhamedov, Yu. N.; Shoftal', N. I.

ORG: Institute of Crystallography AN SSSR (Institut kristallografi AN SSSR)

TITLE: Influence of doping on the growth rate and morphology of epitaxial gallium arsenide films

SOURCE: Kristallografiya, v. 11, no. 4, 1966, 673-680

TOPIC TAGS: gallium arsonide, semiconducting film, epitaxial growing, semiconductor impurity, stoichiometry, twinning

ABSTRACT: The authors investigate the influence of Zn and Cd donors and Cu acceptors on the growth rate and structure of epitaxial films grown from the liquid phase with the aid of a chemical reaction in an open system. The apparatus and the growth procedure were described earlier (Int. Inst. Crystallog. [growth of Crystals] v. 5, Nauka, 1965, p. 388). The substrates used were gallium arsenide films with various orientations and various types of conductivity. The results confirm earlier conclusions drawn by the authors (Kristall und Technik v. 1, no. 2, 1966) regarding the effect of stoichiometry of the components of the compound on the sub-

Card 1/2

UDC: 548.0:539.23

1 00226-07
ACC NR: AP6024673

strate surface. They also show that the growth kinetics of the crystals during the presence of two chemical reactions during the formation of the crystals have equal probability at higher temperatures (500 -- 600°C). This is particularly, the disappearance of excess arsenic when zinc and gallium are introduced in the gas phase, and the resultant absence of the arsenic impurity. It is shown that introduction of impurities into the gas phase during the growth of the crystals and thereby decreases the number of growth centers. The influence of doping on the growth rate is different. The authors also report on the internal structure of the layers. The authors thank G. S. Gordon for help with the x-ray study of the crystals, G. S. Gordon for help with the scientific work, and Ye. I. Givargizov for critical remarks. Orig. art. has. 2 (1) 1966 and 2 formulas.

SUB CODE: 20/ SUBM DATE: 28Jan66/ ORIG REF: 003/ OTH REF: 004

Card 2/2 bc

MAGOMEDOV, M. I., Cand Med Sci -- (diss) "Treatment of traumatic shock and blood loss with Caspian Sea water in ~~an~~ experiment." Makhachkala, 1957. 20 pp (Ryazan' State Med Inst Im Academician I. P. Pavlov), 350 copies (KL, 2-58, 116)

S/252/65/056/002/001/003
D218/D308

AUTHORS: Garibyan, G.M. and Magomedov, M.R.

TITLE: Radiation emitted by an arbitrarily moving particle moving at right angles to the boundary of separation of two media

PERIODICAL: Akademiya nauk Armyanskoy SSR. Doklady, v. 36, no.2, 1963, 77-81

TEXT: Ginzburg and Frank (ZhETF, 16, 16, 1946) have shown that when a charged particle passes through the separation boundary between two media, a transition radiation is emitted. It is noted that in all previous calculations the velocity of the particle was assumed to be constant. The aim of the present work was to investigate the effect of irregular motion of the particle on the transition radiation. In a previous paper (ZhETF, 38, 18, 66, 1960) the first of the present authors studied this problem for an ultra-relativistic particle and high frequencies. The present theory is a generalization of these calculations to arbitrary velocity frequen-

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D218/D308

Radiation emitted ...

cies. A general expression is obtained for the vector potential in both media as a function of time. These formulas become identical with the formulas for constant velocity only when the particle comes to rest at infinity. There is 1 figure.

ASSOCIATION: Fizicheskiy institut (Physics Institute)
PRESENTED: by A.N. Alikhanyan, Academician AS Arm.SSR
SUBMITTED: October 17, 1962

Card 2/2

GARIBYAN, G.M.; MAGOMEDOV, M.R.

Radiation from an arbitrarily moving particle perpendicularly
intersecting the interface of two media. Dokl. AN Arm. SSR 36
1977-81. (MIRA 10:3)

1. Fizicheskiy institut AN Armyanskoy SSR. Predstavleno akademikom
AN Armyanskoy SSR A.N.Alikhanyanom.

L 1838-66 EWT(d) IJP(c)
ACCESSION NR: AT5022280

UR/3138/64/000/311/0001/0031

31
29
B+1

AUTHOR: Magomedov, M. R.; Sudakov, V. V.

TITLE: Realization of a three-dimensional unitary group by "spherical functions" ¹⁶

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 311, 1964. Realizatsiya trekhmernoy unitarnoy gruppy sfericheskimi fundtsiyami, 1-31

TOPIC TAGS: group theory, particle interaction, wave function

ABSTRACT: A convenient parametrization of the three-dimensional U_3 group is used to represent this group in the form of "spherical functions," which is preferable for certain purposes to the abstract-operator approach. The method consists of the following steps: (1) parametrization of the set of unit vectors, (2) determination of the invariant metric, (3) derivation of the invariant Laplacian, and (4) solution of the wave equation. The supermultiplets are classified in the form of square diagrams on the plane $-S, 2T$. Infinitesimal group operators are introduced in the form of linear differential operators, and their matrix elements are computed for an arbitrary representation. "In conclusion, the authors thank V. B. Berestetskii, I. Yu. Kobzarev, and L. B. Card 1/2

L 1838-66

ACCESSION NR: AT5022280

Okun' for valuable comments." Orig. art. has: 5 figures and 35 formulas. 2

ASSOCIATION: [Magomedov] Fizicheskiy institut goskomiteta po ispol'zovaniyu atomnoy energii SSSR, Yerevan (Physics Institute, State Committee on the Use of Atomic Energy); [Sudakov] Institut teoreticheskoy i eksperimental'noy fiziki goskomiteta po ispol'zovaniyu atomnoy energii SSSR (Institute of Theoretical and Experimental Physics, State Committee on the Use of Atomic Energy)

SUBMITTED: 28Dec64

ENCL: 00

SUB CODE: 'NF, MA

NO REF SOV: 003

OTHER: 005

dg
Card 2/2 35

L 2211-66 -- EWT(d)/T IJP(c) UR/0056/65/049/001/0279/0291
ACCESSION NR: AP5019242

AUTHORS: Magomedov, M. R.; Sudakov, V. V. 44.55

33
24
B

TITLE: Realization of the three-dimensional unitary group by
'spherical functions' 11, 44.55

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49,
no. 1, 1965, 279-291

TOPIC TAGS: group theory, matrix function, mathematic operator

ABSTRACT: The authors develop the mathematical formalism of the
three-dimensional unitary group U_3 on the basis of a parametrization
and realization of this group by means of special spherical functions
which, for certain purposes, have definite advantages over the ab-
stract-operator approach used by others. The method of realization
is first illustrated by applying it to a three dimensional rotation
group. In this case the method reduces to the parametrization of a
manifold of unit vectors, determination of the invariant metric,

Card 1/2

L 2214-66

ACCESSION NR: AP5019242

9

finding the invariant Laplacian, and solving the wave equation. The infinitesimal operators of U_3 are then determined as linear differential operators and their matrix elements are calculated in an arbitrary representation. The supermultiplets are classified in terms of rectangular diagrams in the $(-S, 2T)$ plane. The infinitesimal operators are introduced as linear differential operators and their matrix elements are computed for an arbitrary representation. The authors thank V. B. Berestetskiy, I. Yu. Kobzarev, and L. B. Okun! for helpful discussions. Orig. art. has: 35 formulas

ASSOCIATION: None

SUBMITTED: 03Feb65

ENCL: 00

SUB CODE: MA

NR REF SOV: 003

OTHER: 005

Card 2/2 DP

MAGOMEDOV, Nurali

Thoughtful boss. Neftianik 9 no.9:10 S '64 (MIRA 18:2)

1. Starshiy operator nefteuchastka Gasha Dagestanskoy ASSR.

MAGOMEDOV, R. M.

PA 001

USSR/Academy of Sciences

Jan 1948

"The Dagestan Scientific Research Base of the Academy of Sciences USSR," R. M. Magomedov, 3 pp

"Vest Ak Nauk SSSR" No 1

Organizational work of the Dagestan Base was completed in Jun 1946. Installation serves in the development of the Republic's economy, with particular emphasis on electric power, petroleum, gas, farming, and animal husbandry.

66T1

Name: M. MAGMEDOV, Rasul Magomedovich
Dissertation: Social-Economic and political structure
of Tajikistan in the 18th and beginning
of the 19th centuries
Degree: Doc Historical Sci
Affiliation: Tajikistan State Pedagogical Inst imeni
Stal'skiy
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МАГОМЕДОВ, С.С.

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AUTHORS: Uzbekov M. R. and Magomedov S. S., Geologists

TITLE: The Atansor Iron Ore Deposits in Kazakhstan (Atansorskoye
Zhelezorudnoye mestorozhdeniye v Kazakhstane)

PERIODICAL: Gornyy Zhurnal 1958, Nr 6, pp 5-9 (USSR)

ABSTRACT: The Atansor ore deposits are situated on the south-western shore of Lake Atansor in the Kokchetay Oblast' of Kazakhstan. The deposits were discovered in 1932, but were not fully explored until 1953, when magnetometric prospecting showed their importance. The ore bodies are formed by layers of magnetites, garnet magnetites and amphibolic-magnetite scarns. The contents of iron reaching in some places 53.3%. Many other ore-deposits are known in this region and many magnetic anomalies observed here permit the estimation of the available deposits of the Stepnyaksko-Atansor area to be 500-600 million tons. In future the Atansor region could serve as a second ore base for the Karagandinskiy metallurgicheskiy zavod (Karaganda Metallurgical Plant).

Card 1/2

There is 1 map and 2 graphs.

The Atansor Iron Ore Deposits in Kazakhstan

ASSOCIATION: Tsentral'no-Kazakhstanskoye geol. nauchno-issled. tsentr
(The Central Kazakhstan Geol. Center)

AVAILABLE: Library of Congress

Card 2/2

1. Magnetites 2. Magnetometers 3. Iron 4. Geology

SERGIYKO, Yu.A.; MAGOMEDOV, S.G.

Geology and localization of skarn-ore bodies in the Atansor
deposit. Trudy Inst.geol.nauk AN Kazakh.SSR 6:58-67 '62.
(Atansor Lake region--Ore deposits) (MIRA 16:6)