#### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6

# CA FINKEL'SHTEYN, S.D

⇒เทรทุณสมสตร์เตาะรายามาระกับ สราชสาชา อาสารสาชาชา (1996)

EL'SHTEYN, S.D. Anomalous diffraction effects in n-ray estierns of aging polycrystalline alloys. A.M. Ristrator, S. D. Finkel, which, and A. I. Bashikov, Doklady Ahad. Nash S.S.S.R. 66, 1017-20(1040).--A "rearse-grained" x-ray method is described to replace the single-crystal techniques renerally used. The grain size was abant 0.02 mm. A Zeeman-type rotating electrole tabe with a sharp infactor of the grain size was abant 0.02 mm. A Zeeman-type rotating electrole tabe with a sharp infactor of the grain size was abant 0.02 mm. A Zeeman-type rotating electrole tabe with a sharp infactor of the grain size was abant 0.02 mm. A Zeeman-type rotating electrole tabe with a sharp infactor of the grain size was abant 0.02 mm. A Zeeman type rotating electrole tabe with a sharp infactor films. Wire specimens had a diam. of 0.3 to a 0.0-2.027. He alloy as early as after aging for 1 hr. at 320°. Characteristic extra streaks were obtained if the insident beam direction was parallel or almost parallel to the plane of a dimier-Preston zone. In Cu-le they were never observed in the vicinity of a (111) spot. In the immediate was used and a long-wave characteristic radiation. Exposures of 1-2 hrs were also obtained if long exposure times were used at high voltages. Two-dimensional efteristic were also found in a 47.5% Cu alloy aged for 3 mi. at 250°, and in Fe-Ni-At magnetic alloy aged for 3 mi. at 250°, and in Fe-Ni-At magnetic alloy aged for 3 mi. at 250°, and in Fe-Ni-At magnetic alloy aged for 3 mi. at 250°, and in the character syster was one dimensional diffraction epots, or as long, this lines going through extra spots. On changing the wave length they either displace thermelves with the extra spots, remain almost parallel with their previous position, or displace. "Workerstal with hisr previous positi

ISSN PATER AS

length they either disappeared or sharply changed direction. This effect was not observed with grains greater than 0.3-0.4 mm., and was observed beat with nonuniform grain size. One crystal acts like a monochromator. The ratio of two-crystal effect intensity to the intensity of a Bragg reflection is  $1.2 \times 10^{-5}$ , the same as the ratio of central diffraction to initial beam intensity. The size of the Guinér-Preston zone caled, from this effect agreed with that obtained from central diffraction. The coarse-grained x-ray method is useful at least with heavy alloys. A. G. Guy

#### APPROVED FOR RELEASE: 06/13/2000

3.5

CIA-RDP86-00513R000413220003-6"

#### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6

NGE CHERRY SEE THE

SHAR

KUDRYAVTSEV, I.P.; FINKEL'SHTEYN, S.D.

Effect of the divergence of X-ray beams on the results of determining the crystallographic texture of cold-rolled transformer steel. Trudy Ural, politekh. inst. no.127: 119-126 '61. (MIRA 16:8)

875.32

#### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

包括101字》开始,它们不

KUDRYASHOV, Ye.V.; FINKEL'SHTEYN, Sh.D.; KUZ'MUK, L.G.
Kichik-Bel', a new oil field in Tajikistan. Neftegaz. geol. o geofiz. no.8:11-13 '63. (MIRA 17:3)
1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza i Tadzhikskoye geologicheskoye upravleniye.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

AND REPORT OF A

THE CONTRACTOR OF STATE AND TRACTOR

oprill heaterne	-	Roentgenology	FD-707	
			10-101	
Card 1/1	:	Pub 132 18/22		
• • •	·			
Author	:	Finkel'shteyn, S. I., Candidate Medical Sciences		
Title	ŧ	X-rays of the skeleton taken in oblique projections		
Periodical	:	Vest. Rent. i Rad. 81-82, May/June 1954	· · ·	
Abstract	:	When a patient has been badly injured or is severely ill, it not possible to move him so that satisfactory confirmatory X- be made. In this case it is recommended that at least two ob X-rays be made that are perpendicular to each other. No draw references.	rays can lique	
Institution	:	Chair of Roentgenology (Chief - Professor Yu. N. Sokolov) Cer Institute for Advanced Training of Physicians (Director - V. ) Lebedev).	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
Institution Submitted	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•	:	Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	
•		Institute for Advanced Training of Physicians (Director - V. 1	ntral P.	

#### CIA-RDP86-00513R000413220003-6





CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6



and an analysistic and a second statements and the second a

CIA-RDP86-00513R000413220003-6

.

## FINKEL'SHTEYN, S.I., dots.

Interpretation of axial images in roentgenodiagnosis. Sov. med. 23 no.3: 108-111 Mr '59.

(MIRA 12:4) 1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. X Yu. N. Sokolov) TSentral'nogo instituta usovershenstvovaniya vrachey i rentgenologicheskogo otdela (zav. - kand. med. nauk. V.I. Petrov) Moskov-M.F. Vladimirskogo. (ROENTGENOGRAPHY.

interpretation of axial images (Rus))

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6

BE TRANSPORT OF THE PROPERTY O

### FINKEL'SHTEYN, S. I., dots.

^

Invisible calculi in the second is thmus of the ureter. Urologiia 24 no.1:56-57 Ja-F '59. (NIRA 12:1)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. Yu. N. Sokolov) TSentral'nogo instituta usovershenstvovaniya vrachey i urologicheskoy kliniki (zav. - prof. A. Ya. Abramyan) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta.

second isthmus, invisible on x-ray (Rus))

APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6



"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6 and a subscriptions (manifold) and an a subscription and a subscription of the subscri \_\_\_\_\_\_ PEVZNER, R.L.; ZVYAGIL'SKIY, A.A.; FINKEL'SHTEYN, S.I. Efficient technology in making pressed electric insulators. Stek. i ker. 18 no.2:19-24 F 161. (MIRA 1 (Electric insulators and insulation) (MIRA 14:3) 

•

1.7 s.

#### CIA-RDP86-00513R000413220003-6

### FINKEL'SHTEYN, S.I., dotsent

Urokumography. Urologiia no.5:34-38 462.

(MIRA 15:12)

APPROVED FOR RELEASE: 06/13/2000

STREET, STREET

CIA-RDP86-00513R000413220003-6"

#### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

The Research sector of the sec

#### CIA-RDP86-00513R000413220003-6

绿,清末还有限了。 "这一个个了。

FINKEL'SHTEYN, S.I.

Urokymography in calculi of the ureters and kidney pelvis. Vestn. rent. 1 rad. 38 no.3:46-49 My-Je '63. (MIRA 17:7)

> 1. Iz urologicheskoy kliniki (direktor - zasluzhennyy deyatel nauki prof. A.Ya. Abramyan) Moskovskogo oblastnogo nauchnoissledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo.

> > ं दर्श रहा हुए से का का

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

.

APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6

andration in a state of the second state of th \$/142/63/006/001/007/015 E192/E382 Finkel'shtoyn, S.M. AUTHOR: The problem of calculating the transfer coefficient TITLE: of a cascade of three-waveguide directional couplers PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, v. 6, no. 1, 1963, 64 - 71 A three-waveguide directional coupler is a system TEXT: whereby the energy from the main waveguide to the auxiliary is transmitted through an intermediate waveguide. This coupler is in the form of two directional couplers a and 5, as shown in Fig. 1. The coupler a connects the main waveguide with the intermediate one and the coupler connects the intermediate waveguide with the auxiliary. The problem considered is the determination of the transfer function of a system of n three-waveguide directional couplers connected in cascade, the transfer coefficients of individual couplers being jc . The moduli of the electric-field amplitude at the output of the n-th coupler in the main waveguide  $E'_n$ , in the auxiliary waveguide  $E'_{Rn}$ , at the output Card 1/3

APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

-

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6 The problem of calculating .... S/142/63/006/001/007/015 E192/E382 a computer was used for solving the equations. The calculations show that for obtaining the same transfer function by means of a system of three-waveguide directional couplers, the number of elements should be higher than in a cascade of two-waveguide couplors. The calculated results are in good agreement with the theory. The above method of evaluating the transfer function can be used in couplers with two auxiliary waveguides and several intermediate waveguides. There are 7 figures.

ASSOCIATION: Kafedra teoroticheskikh osnov radiotekhniki Kiyevskogo ordena Lenina politekhnicheskogo instituta (Department of the Theoretical Principles of Radio-engineering of Kiyev Order of Lenin Polytechnical Institute) SUBMITTED: April 25, 1962 Card 3/3 Fig. 1: Fig. 1:

APPROVED FOR RELEASE: 06/13/2000

THE REAL PROPERTY IN THE PROPERTY FOR THE PROPERTY OF THE PROP

#### CIA-RDP86-00513R000413220003-6

I DECEMBER OF LEASE

L 10376-63 ACCESSION NR: AP3000332 s/0142/63/006/002/0166/0172 AUTHOR: Chashnik, M. Z.; Finkel'shteyn, S. M. TITLE: Calculating the transmission coefficient of a cascade of directional couplers SOURCE: Izv. VUZ: Radiotekhnika, v. 6, no. 2, 1963, 166-172 TOPIC TAGS: directional couplers (waveguides) ABSTRACT: Although the matrix method of calculating the cascade of directional couplers is rigorous and yields reliable results, it is extremely cumbersome. By using the method of cophasal-and-counterphasal generators, simple formulae are developed for calculating the overall transmission coefficient of the cascade; the formulae hold true with any value of the transmission coefficients of component couplers. The overall coefficient is independent of the sequence of components or of the distance between them. No experimental data reported, but it is claimed that the formulae have been verified experimentally. Orig. art. has: 12 equations and 5 figures. Card 1/2 1. 2. 2

APPROVED FOR RELEASE: 06/13/2000



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6 17 AN 1 A STATE FRANKS GUBINA, A.A.; ZAKGEYM, YeLN.; ZUSMANOVICH, V.M.; IVANOV, K.N.; LISITSYN, S.N.; MOZGOV, A.Ya.; PÁVLOV, A.S.; PÍSKORSKIY, B.N. [deceased]; USHOMIRSKAYA, A.I.; FINKEL'SHTEYN, S.M.; CHISTOVSKIY, V.B.; SHER, S.Yu.; ADAMOV, O.V., nauchn. red.; BEYZERMAN, A.N., nauchn. red.; ZHIVOV, M.S., nauchn. red.; POGORELYY, P.P., nauchn. red.; STAROVEROV, I.G., nauchn. red.; STESHENKO, A.L., nauchn. red.; TSEYTLIN, M.M., nauchn. red.; KOKHANENKO, N.A., inzh., red.; VOLNYANSKIY, A.K., glav. red. [Assembling interior sanitary equipment] Montazh vnutrennikh sanitarno-tekhnicheskikh ustroistv. Moskva, Stroiizdat, 1964. 725 p. (MIRA 17:8) 🔐 S. . N. 

APPROVED FOR RELEASE: 06/13/2000

#### CIA-RDP86-00513R000413220003-6

A COLORE STRUCTURE PRODUCTION OF THE COLOR OF THE

#### FICTURE I, . . .

"Investigation of a Pressure-Regulating System with a Long Legalse Fige Line." Sand Tech Cei, Inst of Automatics and Telemeshaniqs, Acad Sci USSE, 11 Feb 54. Dissertation (Vechernyaya Hosleva Hoslow, 2 Feb 54)

#### 80: SUC 186, 19 Aug 1954

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"



alar (). Kurdenskregeneralera i 20 kreek (reallare en jaken bis 1933), et al jaken jaken jaken jaken kurdenskregeneraler

FINKEL'SHTEYN, S.M.

### PHASE I BOOK EXPLOITATION 869

Avtomatizatsiya proizvodstvennykh protsessov (Automation of Production Processes) No. 2. Moscow, Izd-vo AN SSSR, 1958. 177 p. 6,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Resp. Ed.: Lossiyevskiy, V.L., Doctor of Technical Sciences, Professor; Ed. of Publishing House: Klimov, V.A.; Tech. Ed.: Rylina, Yu. V.

PURPOSE: This volume is intended for specialists engaged in research work and planning of automation process in various branches of industry.

COVERAGE: The volume contains articles summarizing the results of investigations carried out in laboratories for the automation of production processes of the Institut avtomatiki i telemekhaniki,

Card 1/7

APPROVED FOR RELEASE: 06/13/2000

1993年,其他指律师提升的原始任何的推动的。如果是我的时候,就是是我的资源的现在,并如何到1995年,不少了了了。	
Automation of Production Processes 869	
AN SSSR (Institute for Automatics and Telemechanics of the USSR Academy of Sciences). The articles discuss the following topics: 1) basic objectives of automation 2) classification of industrial processes and formulation of typical automation solutions 3) experimental methods employed in studying industrial processes subject to regulation 4) considerations 1 determining the rational sequence and the extent of automation and 5) results of studies on the automation of some industrial processes and establishments.	، ر1
TABLE OF CONTENTS:	
Foreword	3
GENERAL PROBLEMS OF AUTOMATION	
Lossiyevskiy, V.L. Objectives of Automating Industrial Processes	7
Card 2/7	
	: مراجع مراجع
	AN SSSR (Institute for Automatics and Telemechanics of the USSR Academy of Sciences). The articles discuss the following topics: 1) basic objectives of automation 2) classification of industrial processes and formulation of typical automation solutions 3) experimental methods employed in studying industrial processes subject to regulation 4) considerations i determining the rational sequence and the extent of automation and 5) results of studies on the automation of some industrial processes and establishments. TABLE OF CONTENTS: Foreword GENERAL PROBLEMS OF AUTOMATION Lossiyevskiy, V.L. Objectives of Automating Industrial Processes

14

. Ч

CIA-RDP86-00513R000413220003-6

869 Automation of Production Processes The study attempts to characterize the status of automation of production processes and to chart the more important directions for further development. There are no references. Finkel'shteyn, S.M. Classification of Production Processes Subject to Automation and Typical Solutions of the Latter 19 The author reviews the classification of automated production processes with emphasis on continuous flows production which in terms of present instrumentation and outlook is most suitable for automation. There are 10 Soviet references. Motulevich, D.Yu. and Tagayevskaya, A.A. Types of Controller 43 Actions During Experimental Studies of Controlled Processes Types of controller actions employed in studying industrial processes are reviewed, optimum conditions for the use of this or that controller action are indicated, shapes of curves for transition process and characteristics of stable conditions for single capacity plants are shown, Card 3/7

APPROVED FOR RELEASE: 06/13/2000

CINESS SERVICE REAL PROPERTY SERVICE

10.0

Automation of Production Processes 869	
and spectra for a number of nonperiodic actions are presented. There are 2 appendixes and 6 Soviet references.	
Rushchinskiy, V.M. Experimental Determination of Amplitude- phase Characteristics of Controlled Plants Based on a Transient Process With a Disturbance in a Form of a Rectangular Wave Impulse Description of the method is presented. There are 10 Soviet references.	65
Rushchinskiy, V.M. Determining the Approximate Expression for Transfer Functions of the Controlled Plant Based on Its Experimental Grequency Characteristics The author presents several solutions to the problem of lag detection. There are 4 Soviet references.	74
Lossiyevskiy, V.L. Determination of Rational Sequence and the Extent of Automaticn of Industrial Processes This is an attempt to develop an analytical method which would permit the determination of production sectors most suitable for automation. The method consists basically of	83
Card 4/7	

ale the second

CIA-RDP86-00513R000413220003-6

97

Automation of Production Processes 869

a review of production costs, analysis of material and labor expenditures, and subsequent introduction of automation on sectors where automation appears to be economically more effective than conventional methods of production. There are 1 Soviet, 1 Czech, and 1 American references.

AS ON CHARGE AND AND CAUSE OF CAUSE OF

#### AUTOMATION OF INDUSTRIAL PLANTS

Popovskiy, A.M., Gritskov, V.I., and Govorov, A.A. Automation of the Desiccating and Absorbing Departments of Plants Using the Contact Method of Producing Sulphuric Acid

The study describes fully the automation of the desiccating and absorbing department of the Shchelkovskiy khimicheskiy zavod (Shchelkovskiy Chemical Plant). The principal product of this department is monohydrate and the automation embraces the processes within the desiccating tower, and oleum and monohydrate absorbing columns. There are 19 Soviet references.

Card 5/7

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

19 Zeni - S

100

			2018-12
	Automation of Production Processes 869		
•	Gritskov, V.I. Investigation of a Cement Mill as an Object for Automation Automation of a mill located in the vicinity of Novorossiysk consists largely of instrumentation and other means to assure the maintenance of acceptable quality of grist and liquid raw material mixture at a maximum productivity level. Description of instrumentation is included. There are 2 Soviet references.	133	
	Mezin, I.S. and Malyy, A.L. Automation of Drying Drums The study presents basic concepts for the selection of a rational automation plan for a drying drum and describes its performance under normal production conditions. Reference is made to I.V. Vayser, Candidate of Technical Sciences, who participated in the work of the Institute for Automatics and Telemechanics of the USSR Academy of Sciences. There are 4 Soviet references.	139	
	Card 6/7		

Shum in t Gasi T p c	mation of Production Processes 869 ilovskiy, N.N. and Pliskim, L.G. Some Problems Encountered he Development of an Automatic Control System for the fication Process in a Boiling Layer he authors briefly described the technological process taking lace in the boiling layer, the principal plan for automatic ontrol, and characteristic features of the boiling layer. here are 1 Soviet, 2 German and 4 English references.	153
Proc T c T f ( C r	kin, L.G. A System of Automatic Control of the Gasification ess in a Boiling Layer he article describes the plan for a complex automatic ontrol worked out in the Institute for Automatics and elemechanics of the USSR Academy of Sciences with the articipation of GIAP (State Institute of the Nitrogen ndustry) and the Chirchik khimelektrokombinat MKhP SSSR Chirchik Chemical-Electrical Combine of the Ministry of the hemical Industry, USSR). There are 4 Soviet and 1 English eferences. LABLE: Library of Congress	164
Card	· · · · · · · · · · · · · · · · · · ·	




RECEIPTION OF THE PARTY OF THE

CIA-RDP86-00513R000413220003-6

55-211778-225

FAALE- SHIEYA, PHASE I BOOK EXPLOITATION SOV/4612 Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki Avtomatizatsiya proizvodstvennykh protsessov, vyp. 3 (Automation of Production Processes, No. 3) Moscow, 1960. 134 p. Errata slip inserted. 5,000 copies printed. Resp. Ed.: V.L. Lossiyevskiy, Professor, Doctor of Technical Sciences; Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: O.M. Gus'kova. This collection of articles is intended for scientific and engineering PURFOSE: personnel in industry. COVERAGE: The present (third) volume of the collection of articles "Automation of Production Processes" contains data on general problems of automation of specific industries. Problems of classification analysis as applied to the automation of discrete engineering processes and typical solutions in the automatica of machines are developed; some averaged indices of capital and operational expenditures for industrial automation are considered. The effect of extended impulse pipelines on the stability of automatic-control systems containing regulators of pneumatic and hydraulic type is discussed. The selection Card 1/3行行法的

APPROVED FOR RELEASE: 06/13/2000

搬

Automation of Production Processes, No. 3 SOV/4612	
and analysis of a generalized scheme of automatic airconditioning for p duction purposes, applied to textile industry, are described. Finally, lems in the rational training of engineering personnel in the field of mation of production processes are considered. No personalities are men There are 49 references: 39 Soviet, 4 English, 4 German, 1 French, and	prob- auto- itioned.
TABLE OF CONTENTS:	
<ol> <li>Artobolevskiy, S.I. On the Principles of Automation of Discrets Engine ing Processes</li> <li>Pliskin, L.G., and N.A. Sagaydak. On the Classification of Schemes of Regulation of Processes in a Boiling Layer</li> </ol>	3
3. Finkel'shteyn, S.M. Characteristics of an Impulse Pipeline as an Elem of an Automatic Control System	ent 57
4. Finkel'sateyn, S.M. On the Stability of an Automatic Control System With an Extended Impulse Pipeline	69
5. Sagaydak, N.A. Determination of the Time Constants of a Second-Order Element With a Lag	87
Card 2/3	

Automation of Production Processes, No. 3 SOV/4612		
6. Strakhova, L.P. On Capital and Operational Expenditures for Control and Measuring Instruments and Automation in Automated Production	90	
7. Lossiyevskiy, V.L. On the Training of an Engineering Staff in the Field of Automation of Production Processes	97	
8. Khasanov, M.M. Automation of the Process of Preparing the Air in Industrial Year-Round Air-Conditioning Installations	102	
9. Krassov, I.M., and B.G. Turbin. Discharge Coefficients of a Hy- draulic Back-Pressure Type Throttle	130	
AVAIIABLE: Library of Congress		
Card 3/3 AC	C/rn/gmp 12-16-60	

#### CIA-RDP86-00513R000413220003-6

FINKEL'SETEYN, S.M. Improved machine for setting the teeth of frame saws. Der. prom. 9 no.5:26 My '60. (MIEA 13:7) 1. Jeningradskiy lesopil 'no-derevoobrabatyvayushchiy kombinat imeni Kalinina. (Saw filing)

APPROVED FOR RELEASE: 06/13/2000

### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

### CIA-RDP86-00513R000413220003-6



al and the second second second second second

#### CIA-RDP86-00513R000413220003-6

STAROVIROV, I.G., otv. red.; YASTREBOV, M.M., zam. otv. red.; VERKHODANOV, M.Kh., red.; GULISHAMBAROV, F.I., red.; OSIPOV, V.S., red.; FINKEL'SHTEYN, S.M., red.;

> [Album of equipment; condensate outlets] Al'bom oborudovaniia; kondensatootvodchiki. Moskva, 1963. 33 p. (MIRA 16:12)

1. Moscow. Gosudarstvennyy proyektnyy institut Santekhproyekt. 2. Glavnyy inzhener Gosudarstvennogo proyektnogo instituta Gosudarstvennogo tresta sanitarno-tekhnicheskogo proyektirovaniya (for Staroverov).

(Water heaters)

APPROVED FOR RELEASE: 06/13/2000

正式的发展中的

劉巖

新潮 訂

CIA-RDP86-00513R000413220003-6"

# CIA-RDP86-00513R000413220003-6

-TOE SERVICEN ADDRESSENTAR RACK FR. FURNERS ST. E. E. . 



i de la Contraction of the local sectors of the local secto 

HERE PROPERTY AND

### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

in the second was submissional and and an and a second state and the second second second second second second THE PERSON NEW YORK OF THE PERSON NEW YORK



# "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6

,	-
	•
L 31903-66 EWT(d)/FSS-2	
ACC NR: AP6010723 SOURCE CODE: UR/0142/66/009/00	1/0059/0062
AUTHOR: Finkel'shteyn, S. M.; Chashnik, M. Z.	46
ORG: none	
TITLE: Use of directional couplers in some SHF systems $f_{t}$	
SOURCE: IVUZ. Radiotekhnika, v. 9, no. 1, 1966, 59-62	
TOPIC TAGS: directional coupler, SHF communication, 330144 ATA SIGNAL, PHISE SHIFT	CN, COHERENT
ABSTRACT: The possibility is substantiated of using directional con- devices that combine powers of coherent SHF oscillations and as nor adjustable attenuators. To combine the powers of coherent oscillati equal or different amplitudes), a 90° phase shift between the oscilla I and III (see Figure 1) of the directional couple. must be achieved.	nabsorbing ions (having itions at inputs This method
is applicable for combining any number of coherent oscillations; a s	ketch for five-
Card 1/2 UDC: 621.372.832	



APPROVED FOR RELEASE: 06/13/2000

# CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

FINKEI	L'SHTEYN, Sh.D.; PASHKOVSKIY, V.N.
Tankeninger List av a	A DE DITER, DI D. ; PASHROVSKII, V.N.
D N	Diagram of the hydrogeological zoning of southwestern Tajikistan. Neftegaz. geol. i geofiz. no. 12:37-39 '63. (MIRA 17:5)
1 1	l. Sredneziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza.
anna a seachta start.	

### CIA-RDP86-00513R000413220003-6

2051年来开外,他们在1282年1月

FINKEL'SHTEYN, Sh.D.; VASIL'CHIKOV, M.V.

- Density of the sedimentary rocks of the Surkhardarya depression. Neftegaz, geol. i geofiz, no.4:42-45 '64. (MRA 17:6)
- 1. Sredneaziatskiy filisl Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000



MAYBOR	ODA, V.I.; FINKEL'SHTEYN, T.A.; CORYACHKO, L.P. Effect of the derivatives of dithiocarbamic acid on the formation process and properties of viscose cord fibers. Khim. volok. no.2:49-51 '64.	
	<pre>MIR. VOLOR. NO.2:49-51 '64. (MIRA 17:5) 1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.</pre>	
		19 - 1 19 - 1 1 - 1

SHALASHOV, V.A.; FINKEL'SHTEYN, T.B., starshiy nauchnyy sotrudnik; VOLKOV, A.D.

> Self-lubricating rings of spinning machines made from metallic ceramics. Tekst. prom. 25 no.7:63-67 Jl '65. (MIRA 18:8)

 Direktor Vsescyuznogo nauchno-issledovatel'skogo instituta legkogo i tekstil'nogo mashinostroyeniya, Moskva (for Shalashov).
 Vsescyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya, Moskva (for Finkel'shteyn).
 Nachal'nik laboratorii tekhnologii mashinostroyeniya Vsescyuznogo nauchno-issledovatel'skogo instituta legkogo i tekstil'nogo mashinostroyeniya, Moskva (for Volkov).

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

.

#### CIA-RDP86-00513R000413220003-6

í 4



TO INDUCTION OF THE PROPERTY O

leniia krupnorazmernykh predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii dlia promyshlennogo stroitel'stva. Moskva, Gosstroiizdat, 1963. 99 p. (MIRA 17:7)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.

APPROVED FOR RELEASE: 06/13/2000

# CIA-RDP86-00513R000413220003-6



### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

·······		
<i>t</i> –	(4)	her SATEVAL, V, Yt.
USSF/Elec	tro	nics - Electron Optics H-3
Abs Jour	:	Referat Zhur - Fizika, No 5, 1957, 12300
Author Inst	:	Val'ter, A.K., Finkel'shteyn, V.Ye.
Titl <del>e</del>	:	Use of the Similarity Method for the Investigation of the Motion of Large Beams of Charged Particles in High-Voltage Electrostatic Fields.
Orig Pub	:	Uch. zap. Khar'kovsk. un-ta, 1955, 64, 95-100
Abstr <b>a</b> ct	:	A theoretical examination has been made of similitude con- ditions in electron optics, with allowance for the space charge and for the initial distribution by velocities for the case of ion beams that consist of one or several com- ponents (with different values of e/m). A similarity cri- terion is derived and the limits of the validity of the theory are examined. The authors indicate, that they have carried out experiments on simulation of high-voltage ion- optical systems, but do not mention the results of the ex-
Card 1/1		periments.
a da ang ang ang ang ang ang ang ang ang an	5 1 Mail	

1921

TERIKA	L. SHTEIN, V. TE.
USSR/Electric	ity - General Problems, G-1
	Referat Zhur - Fizika, No 12, 1956, 34982
	Val'ter, A. K., Finkel'shteyn, V. Ye.
Institution:	
Title:	On the Use of Electrostatic Analyzers as Absolute Voltmeters
Original	n an the second s
	Cch. zap. Lear kovsk. un 1955, 64, 101-102
Abstract: Card 1/1	It is proposed to use as high-voltage voltmeters electrostatic ana- lyzers in which the voltage is measured by the energy of the particles, accelerated in an accelerating tube. Such voltmeters, compared with the complex and expensive attraction voltmeters, which measure d-c voltages up to 500-600 kv with an accuracy to 0.1%, have the follow- ing advantages: (1) it is easy to estimate the error, which depends on the error of the parts that operate at low voltage; (2) the scale is linear (the unknown voltage is proportional to the measured dif- ference of potential); (3) it is possible to measure not only d-c, but also a-c voltages their amplitude values from the maximum energy of the particles.



APPROVED FOR RELEASE: 06/13/2000

# CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

<ul> <li>Finker's HTFYN V. Ye.</li> <li>USSR/Processes and Equipment for Chemical Industries - K-2</li> <li>Control and Measuring Devices. Automatic Regulation.</li> <li>Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33334</li> <li>Author : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V.</li> <li>Inst :</li> <li>Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures</li> <li>Drig Pub : Izmerit televities</li> </ul>
Author : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Author : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Author : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Author : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33334 Author : <u>Finkel'shteyn, V.Ye.</u> , Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33334 Author : <u>Finkel'shteyn, V.Ye.</u> , Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
Author : <u>Finkel'shteyn</u> , V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures
<pre>Inst : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures Up to 6000°.</pre>
<pre>Inst : Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V. Fitle : EOP-51M and OP-48M Pyrometers for Measuring Temperatures Up to 6000°.</pre>
Up to 6000°.
Up to 6000°.
rig Pub : Izmerit. tekhnika, 1956, No 5, 52-54
bstract : The apparents a
bstract : The apparatus described have been developed at the Khar'kov State Institute of Measures and Measuring Instrum
State Institute of Measures and Measuring Instruments, on the basis of the OP-48 and EOP-51 pyrometers. The glass Dossible on
Y = S + Y = S + Y = S + Y = S + Y = S + S + S + S + S + S + S + S + S + S
OI & LAFRER diameters a
being set in front to it. The one apparatus in liter to
being set in front of the pyrometric bulb; their pyrome-
tric attenuation is of about 430 . 10 <sup>-6</sup> degree-1.
rd 1/2

### CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6 Instruments where a support in the state of the state of

et same

A CHACK DIMINIZIAN DE REPORTANTA

<ul> <li>24(0): 5(1): 6(2) FILSE I. BOOK EXPLOTIVETON 50/2215</li> <li>24(0): 5(1): 6(2) FILSE I. BOOK EXPLOTIVETON 50/2215</li> <li>24(2): 5(2)</li></ul>

	sov/58-59-8-18962	
Translated f	from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 271 (USSR)	
AUTHOR:	Finkel'shteyn, V.Ye.	
TITLE:	On the Graduation of a Scale for the Optical Pyrcmeter in the Region of High Temperatures	
PERIODICAL:	Tr. Vses. ni. in-ta metrol., 1958, Nr 35 (95), pp 36-43	
ABSTRACT :	The article refines the concepts of pyrometric attenuation and of the effective wave-length of the light filter. A method is given for computing the pyrometer's high-temperature range $(T > 3000^{\circ}K)$ . At the same time it is recommended that Wien's formula be used with a subsequent correction of the obtained temperature values. The correction values are cited for temperatures of 3,000 - 11,000°K in the case of an effective wave-length of $\lambda_{TO} = 0.665 \mu$ .	
Card 1/1		11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
n an		

ALCON S

<ul> <li>to Extend the Range of the operatives</li> <li>PERIODICAL: Tr. Vses. ni. in-ta metrol.,</li> <li>ABSTRACT: The author proposes a method of of an absorber (PAA) adapted to up to temperatures higher than and source of comparison have with colored glass is mounted mission coefficient of this glass the condition T<sub>A</sub> O.H. = constants to the condition T<sub>A</sub> of the set to the set of the se</li></ul>	etric Attenuation of an Absorber Serving cal Pyrometer to the Region of Very High 1958, Nr 35 (95), pp 44-59 C determining the pyrometric attenuation
THOR:Finkel'shteyn, V.Ye.TTLE:A Method of Measuring the Pyrom to Extend the Range of the Optin TemperaturesERIODICAL:Tr. Vses. n1. in-ta metrol.,BSTRACT:The author proposes a method of of an absorber (PAA) adapted to up to temperatures higher than and source of comparison have with colored glass is mounted mission coefficient of this gl the condition $\mathcal{T}_{\mathcal{N}}$ O.H. = const to the second the second time to the se	etric Attenuation of an Absorber Serving cal Pyrometer to the Region of Very High 1958, Nr 35 (95), pp 44-59 C determining the pyrometric attenuation
<ul> <li>to Extend the Range of the optimized Temperatures</li> <li>Tr. Vses. ni. in-ta metrol.,</li> <li>BSTRACT: The author proposes a method of of an absorber (PAA) adapted the up to temperatures higher than and source of comparison have with colored glass is mounted mission coefficient of this glass is mounted to the condition T<sub>h</sub> O.H. = constants to the set to the</li></ul>	1958, Nr 35 (95), pp 44-59 C determining the pyrometric attenuation
BSTRACT: The author proposes a method of of an absorber (PAA) adapted to up to temperatures higher than and source of comparison have with colored glass is mounted mission coefficient of this gl the condition $\mathcal{T}_{\mathcal{N}}$ O.H. = const to be a comparature T on of the s	determining the pyrometric attended
of an absorber (TAA) and pool up to temperatures higher than and source of comparison have with colored glass is mounted mission coefficient of this gl the condition $T_{\mathcal{N}}$ O.H. = const upper temperature T or of the s	determines of graduating the pyrometer
means of a standard optical p	b the purpose of graduating the pyrometer that up to which the standard pyrometer been graduated. To this end an ocular cap on the eyepiece of a pyrometer. The trans- ass for light of wave-length $\lambda$ satisfies $\cdot \exp(C_2 \alpha / \lambda)$ . The apparent bright- tandard source is measured by means of the its true temperature $T_1$ is determined by prometer. The magnitude of the pyrometric ith the ocular cap is computed to the
ard 1/2 attenuation of the absorber and	

. Triestop

	CALLER DE LE DE
	ula tartania → * *
sov/58-59-8	3-18963
A Method of Measuring the Pyrometric Attenuation of an Absorber Serving to the Range of the Optical Pyrometer to the Region of Very High Temperatures	Extend
formula A = $(1/T_{01} - 1/T_1)$ . The value of A thus obtained is equal to the the pyrometer for the apparent brightness temperature $T_{02}$ , which is associated by means of the equation: $1/T_{02} = 1/T_{01} - \alpha$ . The estimated error of method is discussed, as well as some of its applications.	e PAA of ated with of the
A.G. Svirič	lov
	<b>`</b>
	· · · · · · · · · · · · · · · · · · ·
Card 2/2	
	• •

"APPROVED FOR RELEASE: 06/13/2000 and a second state and statementation tracks as instructional and a second statements of the second statement of the second statem

6000-2 200223

# CIA-RDP86-00513R000413220003-6

A CONTRACTOR DESCRIPTION

Translated fr	SOV/58-59-8-18972 om: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 272 (USSR)
AUTHORS :	Finkel'shteyn, V.Ye., Shpigel'man, Ye.S., Kandyba, V.V.
TITLE:	Extending the Range of the "EOP-51M" Pyrometer up to 6,000° and 10,000°C
PERIODICAL:	Tr. Vses. ni. in-ta metrol., 1958, Nr 35 (95), pp 60-69
ABSTRACT:	The range of the "EOP-51M" pyrometer, originally calibrated up to 4,000°C, was extended up to 6,000° and 10,000°C by using two absorbers made of "PS-2" purple glass. The magnitudes of the pyrometric attenuation of the absorbers were determined, as well as their variations with a variation in the apparent brightness temperature. Strictly speaking, the calibration of the scale was made according to the formula $1/T_0 - 1/T_W = A$ , where $T_0$ is the apparent brightness temperature, corresponding to some intensity of the current of the pyrometric tube, and A is the pyrometric attenuation of the absorber. The value $T_W$ thus obtained, which is the approximate value of the measured temperature, is adjusted by the correction $T - T_W$ , computed on the basis of allowance for the inaccuracy of Wien's formula. The error in calibrating the scale
Card 1/2	Tor the inaccuracy of with 5 formata, the error in called and the

	APPROVED FOR RE	ELEASE: 06/13/2000	CIA-RDP86-00513R00041322	
		<u> </u>		
·				
			SOV/58-59-8-18972	
Extending	the Range of the "	EOP-51M" Pyrometer up	to 6,000° and 10,000°C	
measuring root-mean	the pyrometric att -square error is eq	enuation and determining ual to 50°C at a temper	g the pyrometer's basic scale, ng the correction T - $T_W$ . The rature of 6,000°C and to 160°C tes are apparently very over-	
Stated.			Ye,Antropov	
	ذ			
	, ,			
	1			
Card 2/2				
4		· · · · · · · · · · · · · · · · · · ·	Na tartina ang ang ang ang ang ang ang ang ang a	
INCOMPRESSION				5.7FD13

ale enter

•	65968 sov/58-59-4-9248	
24.5500 ranslation		
UTHORS:	Finkel'shteyn, V.Ye., Kandyba, V.V.	
TTLE:	New Method for Calibrating Pyrometers and New Accurate Optical Pyro- meter 7	
ERIODICAL:	Tr. Vses. ni. in-ta metrol., 1958, Nr 36 (96), pp 16 - 22	
BSTRACT:	Using neutral absorbers to calibrate high-temperature pyrometers greatly reduces measurement accuracy owing to the difficulty of accurately measuring the absorber's transmission factor. Special calibration methods, including supplementary measurements with the aid of a color attachment, allows one to dispense with a special measurement of the transmission factor. Accuracy depends on a rational choice of spectral characteristics for the ocular attachment. The developed method was used in calibrating a new accurate pyrometer with a vanishing filament of the <u>EOP51M</u> type. The objective has an aperture ratio of 1 : 3. It is	
ard 1/2	of the <u>Evryth</u> type. The objective data and the	
1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 - 1955 -		
--	---	---
	65968	
	SOV/58-59-4-9248	
New Method for Calibrating Pyrometers and	l New Accurate Optical Pyrometer	1
possible to effect a rapid replacement of Four (4) glass, absorbent light-filters e The mean square error amounts to 0.1 - 1. spectively.	wind the increment a many of the second	4
	Ye. Antropov	
Card 2/2		
		-

# CIA-RDP86-00513R000413220003-6

176



APPROVED FOR RELEASE: 06/13/2000

SOV/115-60-1-14/28

A Standard Infrared Spectropyrometer

were designed by the Gosudarstvennyy opticheskiy institut im. S. I. Vavilova (<u>State Optical Institute</u> <u>imeni S. I. Vavilov</u>). A table is given to show mean quadratic errors in temperature measurement made with an IKP-57 whose radiation receiver was an Fs-Al photoresistor. The circuit includes 6Zh8 and 6P6 valves. There are 1 photograph, 2 diagrams, 1 table and 1 Soviet reference.

ALL PARTICE DER LERRER BEREICH BEI LIGTE DES DER DER DER DER MER BEREICHEN BEREICHEN BEREICHEN BEREICHEN BEREICHEN

Card 2/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

# CIA-RDP86-00513R000413220003-6

FINKEL'SHTEYN, V.Yo.; STARUNOV, N.G. Spectropyrometer for measuring temperature by the monochromatic infrared radiation. Prib. i tekh. eksp. no.3:122-125 My-Je '60. (MIRA 14:10) 1. Khar'kovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov. (Pyrometers)

APPROVED FOR RELEASE: 06/13/2000

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-

## CIA-RDP86-00513R000413220003-6

s/196/61/000/009/019/052 E194/E155 Koshkin, M.L., Finkel'shteyn, V.Ye., and **AUTHORS**: Dudchenko, I.I. Reflection of ultraviolet radiation from screens TITLE: with coloured limewash PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.9, 1961, 21, abstract 9V 192. (Sb. nauchn. rabot Khar'kovsk. med. in-ta i N.-i in-ta vaktsin i syvorotok (formerly Tr. Khar'kovsk med. in-ta), no.53, 1960, 183-187) The use of ultraviolet irradiation of premises to TEXT: disinfect the air and contents is becoming more extensively used as a prophylactic measure. For indirect ultraviolet irradiation of rooms, which is the usual method, the lamp is installed 1.8 - 2.0 metres above the floor. An aluminium reflector directs the ultraviolet radiation upwards so that the upper part of the room is irradiated directly and the lower part only receives radiation reflected from the walls and ceilings. With this method irradiation can be carried out with people present because the Card 1/2

APPROVED FOR RELEASE: 06/13/2000

THE PERSONAL STREET, S ST NAMES STREET s/196/61/000/009/019/052 Reflection of ultraviolet radiation... E194/E155 dispersed flux of radiation reflected from the walls and ceilings is much less than the direct radiation and causes no pathological effects, even after many hours' irradiation per day. To attain a better bactericidal effect it is desirable to irradiate the upper zones by the most intensive possible flux of ultraviolet irradiation. According to instructions of the Sektsiya po ul'travioletovomuizlucheniyu (Ultraviolet Irradiation Section) of the Institut biofiziki AN SSSR (Biophysics Institute AS USSR) the radiation level in zones where people are present should not exceed 0.5 microwatts/ $cm^2$  and the daily dose should not be more than 240 microwatts.min/cm<sup>2</sup>.

[Abstractor's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413220003-6"

t. -

i ladofficializational

FUNKELSHTLYM, V.TE.

S/115/61/000/001/993/007 B129/B201

AUTHORS: Gordov, A. H., Izrailov, K. S., Kandyba, V. V., Kirenkov, I. I., <u>Kovalevskiy, V. A.</u>, Lapina, E. A., Finkel'shteyn, V. Ye., and Ergardt, N. N.

TITLE: Comprehensive metrological studies for developing methods and apparatus for exact measurements of high temperatures

PERIODICAL: Izmeritel'naya tekhnika, no. 1, 1961, 22-25

TEXT: The ever-increasing demands made by industry on the accuracy and range of measurements of high temperatures make it necessary to reorganize the entire metrological system in the field of measurements of high temperatures and the development of new standard and model devices on the basis of the latest achievements in the construction of precision instruments., In this connection, the VNIIM imeni D. I. Mendeleyeva and KHGIMIP developed a program for the performance of comprehensive metrological studies for the establishment of new standards and high-precision master instruments for temperatures of up to  $10.000^{\circ}C$ . This metrological research work was completed in 1960. The studies were made in four fundamental directions: thermometry

Card 1/2

APPROVED FOR RELEASE: 06/13/2000

"APPROVED FOR RELEASE: 06/13/2000 前限员的出来的方法现代的法律的科

# CIA-RDP86-00513R000413220003-6

TOT PERSONAL AND A STATE

Comprehensive metrological ...

s/115/61/000/001/003/007 B129/B201

of gases, thermoelectric pyrometry, optical visual pyrometry, objective pyrometry (photoelectric and radiation pyrometry). New temperature scales in the field of high temperatures were established on the basis of new methods of objective apectropyrometry. The optical pyrometers used for measuring high temperatures are not sufficiently accurate. Thus, the admissible error in measurement of the optical pyrometers AMIP(OPPIR) is up to + 15°C at 1,000°C, and up to 30°C at 2,000°C. It is evident that this is Insufficient for many purposes and for scientific research work. In connection with the above problem, i.3., direct temperature measurement of high accuracy, the optical precision pyrometers 307 251 (EOP-51) and OT -48 (OP-48) spectropyrometers of the types WKN-57 (IKP-57) and CNK (SPK, and new optical devices of the type YPN (URP) were developed and introduced. The international temperatures scale was used with maximum accuracy for the new instruments at the Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im. 0, I. Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleyev) and at the institutes of the Komitet standartov, mer i izmeritel'nykh priborov (Conmittee on Standards, Measures, and Measuring Instrumonts). The new pyrometers are widely used for scientific research work. There are 59 references: 49 Soviet -bloc and 6 non-Sovietbloc. Card 8/2

i managi anganan

APPROVED FOR RELEASE: 06/13/2000

國間語



# CIA-RDP86-00513R000413220003-6



FINKEL'SHTEYN, V.Ye.; ROMADANOV, I.S.

Using an infrared spectropyrometer in experimental measurement of the constant C2. Izm.tekh. no.9:37-39 S '62. (MIRA 15:11) (Pyrometers) (Thermometry)



APPROVED FOR RELEASE: 06/13/2000



"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6 STARA CARAMANA RAMAN RAMANA DA MANANA DA MANANA AMANANA INTERVIEW INTERVIEW

;

# 

ACCESSION NR: AP4014639	S/0115/64/000/001/0029/0030	
AUTHOR: Finkel'shteyn, V. Ye.		
AUTHOR: Finker since $\lambda$ TITLE: Precise determination of the source: Izmeritel'naya tekhnika, no TOPIC TAGS: spectropyrometer, pyr wavelength ABSTRACT: The higher accuracy recome assurements and the necessity of us development of a method for direct m effective wavelength and the initial wavelength measuring the effective wavelengths wavelengths where $\Delta \lambda = \lambda (l_1) - \lambda (l_1)$ . The	. 1, 1964, 29-30 cometer, spectropyrometer effective unired of modern spectropyrometric bing wider spectral slits have prome easurement of the difference betwee avelength. A constant $\beta$ can be for	The set of
Çajd 1/6		

TILE MARKING BURNERS AND THE MERCENSION AND MERCENSION TO THE MERCENSION OF THE MERCENSION AND THE MERCENSIO

BEN FERRER REAL STREET, STREET

和我的知道和我们和你们也没有这些生活的。"

	• •		•	
ACCESSION NR: AP4014639	•			
byrometers oriented toward a gray absorber, show the sam lengths are equal. Practical				
ASSOCIATION: none				
SUBMITTED: 00	DATE ACQ:	l4Feb64	ENCL: 00	
SUB CODE: PH	NO REF SOV:	000	OTHER: 000	
	1	•		
	•		a 2.1 %	
Card 2/2	• • • • • • • • • • • • • •		4. •••	

.....



# CIA-RDP86-00513R000413220003-6



# CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

-	L_10304-66 EWT(1) GW SOURCE CODE: UR/0115/65/000/010/0050/0051	
	AUTHOR: Golub, L. M.; Finkel'shteyn, V. Ye.; Shpigel'man, Ye. S. ORG: None 44,55	
	TITLE: A method for expanding the range of a radiation pyrometer in the high- temperature region	
•	SOURCE: Izmeritel'naya tekhnika, no. 10, 1965, 50-51	n an
	TOPIC TAGS: meteorologic instrument, radiation pyrometer, telescope, optic black body 12,144,55	
	ABSTRACT: From the meteorologic viewpoint, one of the practical disadvantages of telescopes of radiation pyrometers is that they are calibrated directly by "black body" emitters, as a result of which the upper temperature limit is restricted by the maximum working temperature of this emitter. It is desirable to have a method of range expansion which would make it possible to construct the range by means of calculations, but which would be free of any assumptions regarding the optic pro- perties of the telescope itself. The authors propose the application of a method widely known in optical pyrometry, but never used in radiation pyrometry. The method is based on the following. In measuring high temperatures the light flux is attenuated by a glass selective absorber, the transmission $\gamma_{j}$ , of which, in the	
	Card 1/2 UDC: 536.521.2	

GOYANIA SIRAS

# CIA-RDP86-00513R000413220003-6

L 10304-66 AP6000033 ACC NRI entire longwave range admitted by the radiation pyrometer is related to the long wave 2 by the relationship: (1)Where a m const. After absolute black body emission passes through such an absorber, the temperatures T are made identical (i.e., equal at all wavelengths) to the emission of the absolute blackbody at a lower temperature  $T_0$ , related with T by the relationship:  $\frac{1}{T_0} - \frac{1}{T} = A$ , Furthermore  $A = \frac{1}{e_1}$ (2) where c<sub>2</sub> is the second constant in the Planck formula, equal to 1.438 cm x deg. Hence, irrespective of the properties of the radiation pyrometer, the signal originating from the black body of temperature T through the absorber will be equal to the signal originating without the absorber of the black body temperature T<sub>0</sub>. Several examples of application of the method are presented. It is concluded that the utilization of an absorber which satisfies the condition of formula (1) in the region of 0.8-2.7 microns makes it possible to extend the range of measurement of industrially produced telescopes of radiation pyrometers up to very high temperatures. Orig. art. has: 3 figures and 3 formulas. SUB CODE: 17,04 / SUBM DATE: None / ORIG REF: 003 Card 2/2

APPROVED FOR RELEASE: 06/13/2000

# CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

415		
!	L 45604-66 Mf(d)/FWF(1)/EWF(e)/EFF(m)/F/FSP(t)/STE IJI(c) ID/SU/H ACC NRi AP6014526 SOURCE CODE: UR/0115/65/000/011/0066/0067	
	AUTHOR: Golub, L. M.; Finkel'shteyn, V. Ye.; Shpigel'man, Ye. S. 50	
	ORG: None TITLE: A new "black body" radiator for the 1500-3000°C temperature range	
	SOURCE: Izmeritel'naya tekhnika, no. 11, 1965, 66-67	
	TOPIC TAGS: black body radiation, radiation measurement, pyrometer	
	ABSTRACT: The authors describe a "black body" radiator developed at the Kharkov State Institute of Measures and Measuring Instruments for graduating the telescopes of radiation pyrometers with a sighting index of 1/40 (and less) in the 1500-3000°C tem-	
14	the heating element is graphite/tube 1 400 mm long with an inside diameter of 25 mm	
	phite partition 2 and diaphragms to increase the blackness of the full of passage of The heater is placed in a cylindrical metal housing 3 with double walls for passage of a tube with	
	running water. Inside the housing is a graphice screen 7 in one busing from the heater fireclay rings 5. The screen and rings separate the furnace housing from the heater tube. The space between the housing and screen is filled with a heat insulation ma- tube. The space between the housing and screen is filled with a heat insulation ma- terial/(carbon black) 6. The furnace is covered on both sides by metal lids with double	8-
	UDC:681.2.089.6:536.521.2	
	Card 1/2 000.00112102/101/2	
<i></i>		
		a statistics i

1,799,10

	(1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
1. 45604=66 ACC NR: AP6014526	0
walls cooled by running water. The heater (graphite tube) is threaded into movable 7 and stationary 8 metal flanges which simul- taneously serve as current conductors. The movable flange is necessary for expansion of the heated tube. Both flanges are equipped with glass windows 9 with metal baffles to avoid burn-through of the gra- phite heater. Argon is fed through pipe branches in the movable flange for the same purpose. The maximum working tem- perature of 3000°C is reached in one hour at a power of 20 kw. Ra $0.980\pm0.015$ . Orig. art. has: 1 figure.	diation blackess is
SUB CODE: 20/ SUBM DATE: None	
Card 2/2 pla	

SHITLE-

NAMETHIN, N.S., FINKELSHTE	TN, Va 54. VDOVIN, V.M.	
میروند میروند میروند. این این میروند این این این میروند این این این این میروند این	her verbindungen mit silico-ole	finen."
"The alkylation of aromatic	c compounds with silicoolefins."	
Report submitted to the 2m Silicon Chemistry. Dresden, East Germany	d Dresden Symp. on Organic and 26-30 March 1963	Non-Silicate
Institute for petrochemic Moscow.	al syntheses of the Academy of S	Science of the USSR,

1944 BERF CERTERENTERSENER BUR BERERE BUR BERERERSENER BERKELDER BERKELDER BERKELDER BUR STALLEN DER STALLEN BUR STALLE

ACCESSION NR: AP	+012090	s/0020/64/154/002	2/0383/0386	
1. A.		ling member); Vdovin khipova, T.N.; Oppo	n, V.M.; engeym, V.D.	
TITLE: Synthesis	of 3,4-benzosilico	ocyclopentanes		
		, no. 2, 1964, 383-	386	
TOPIC TAGS: 3,4-	benzosilicocyclope	ntane, infra-red sp lichlorsilane cyclic silicon containing	zation, 3,4-	
benzosilicocyclop	entane synthesis,			
ABSTRACT: The si cocyclopentane an	entane synthesis, a licon-containing and d some of its deri	nalog of indane, 3, vatives were synthe	4-benzosili- sized and 1 properties.	
ABSTRACT: The si cocyclopentane an	entane synthesis, a licon-containing and d some of its deri	nalog of indane, 3,	4-benzosili- sized and 1 properties.	
ABSTRACT: The si cocyclopentane an	entane synthesis, a licon-containing and d some of its deri	nalog of indane, 3, vatives were synthe	4-benzosili- sized and 1 properties.	
ABSTRACT: The si cocyclopentane an	entane synthesis, a licon-containing and d some of its deri	nalog of indane, 3, vatives were synthe	4-benzosili- sized and 1 properties.	

# CIA-RDP86-00513R000413220003-6



APPROVED FOR RELEASE: 06/13/2000

		4 del marche est de francés n				41322000
•	•		<u></u>			
ACCESSION	NR: AP4012090	•		· · ·	•	
Orig. art.	has: 3 figures	s, 1 table, 2	equations	and 2 f	ormulas	•
ASSOCIATION		Ptekhimi ohask				
SUBMITTED:	285ep63	DATE ACQ:	14Feb64	E.	NCL: O	D
SUB CODE:	CH	NO REF SO	7: 005		HER:	001

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413220003-6"

5.74

# CIA-RDP86-00513R000413220003-6

HALVEOVIED FOR RELEASE. BODY STATES CONSISTENCE FOR THE STATES AND ADDRESS AND ADDRES

APPROVED FOR RELEASE: 06/13/2000

## CIA-RDP86-00513R000413220003-6

THE CAREADOLDING PRIVILE MANAGEMENT FIN Kel'shteyn, yars. AUTHOR: Mal'kovskiy, D.P., Finkel'shteyn, Ya.B. 123 - 1 - 13. TITLE: Innovators in the Underground Constructions (Ratsionalizatory v stroitel'stve podzemnykh sooruzheniy). Gor. kh-vo Moskvy, 1956, No.1, 30-33. (USSR) PERIODICAL: ABSTRACT: Descriptions are given of the following innovations incorporated into the practice of underground engineering works of the Glavmosstroy (Main Division for Housing and Civilian Construction in the city of Moscow): attachment for rolling out the edges of smaller-indiameter pipe in the welding operation; an equipment for cutting and removing chamfer from steel pipes during welding; machine tool for lapping the Ludlow gate valves which are installed in gas pipe lines; device for addition new feeders to the operating heat-conveying network without disruption of the heating system; pneumatically controlled machine tool for sheathing radiators; mechanisms for laying blocks in tunnels; Card 1/2electric car to move blocks and rocks in tunnels; full 有"自然"的思想。"我们是是是有些意思。" ÷

APPROVED FOR RELEASE: 06/13/2000



APPROVED FOR RELEASE: 06/13/2000

A STATE A DESTRUCTION OF A STATE AND A ST

FINTEL'SHORT A SAME TROITSRIY, N.Y.
Architectic drills. [Suggested by IA.B. Finkel'shtein, N.Y. Troitskil]. Rats.i isobr.predl.v stroi. no.148:11-14 '5. (MIRA 10:5)
(Boring machinery-Cold weather operations)

APPROVED FOR RELEASE: 06/13/2000