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CHROMATOGRAPHIC ANALYSIS OF FURFUROLE.

10p.

Order from OTS or ETC \$0.80

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DESCRIPTORS: *Furfuryl alcohols, *Chromatographic
analysis, Water, Turpentine, Mixtures.

(Chemistry--Organic, TT, v. 10, no. 10)

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1252385

Office of Technical Services

V
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THE DETERMINATION OF THE LATENT HEATS
OF FUSION OF $\text{Na}_2\text{S}_2\text{O}_7$ AND NaHSO_4 DERIVED
FROM THE HEATING CURVES OBTAINED UNDER
ADIABATIC CONDITIONS. [1961] [5]p. 11 refs.
Order from OTS or SLA \$1.10 61-27989

Trans. of Moscow U. Vestnik. Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii (USSR) 1959,
v. 14, no. 2, p. 199-202.

DESCRIPTORS: *Sodium compounds, *Sulfates, *Heat
of fusion, Determination, *Calorimeters, Design.

The construction of a spherical calorimeter for the
determination of thermodynamic quantities using the
method of continuous heating under adiabatic conditions
is described. Values were calculated for the heat of
fusion of sodium bisulfate, $\Delta H = 2480$ cal/mol; the
(Physics--Thermodynamics, TT, v. 7, no. 7) (over)

61-27989

I. Reznitskii, L. A.
II. Komyakov, K. G.
III. Translations, New York

197268

Office of Technical Services

Reznitskiy L. A. and Khomyakov, K. G.
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OF REDUCTION OF FERRITES BY HYDROGEN. I.
CALORIMETER: REDUCTION OF FERRIC OXIDE.
[1961] [8]p. 3 refs.

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61-27806

Trans. of Moscow U. Vestnik. [Seriya Matematiki
Mekhaniki Astronomii, Fiziki, Khimii] 1959 [v. 14]
no. 2, p. 217-224.

DESCRIPTORS: Calorimeters, *Heat, Reduction, Iron
compounds, Oxides, *Ferrites, *Hydrogen,
*Calorimetry, Determination.

An isothermal calorimeter is described that was con-
structed for the determination of the heats of reactions
at high temperatures. The possibility, in principle, of
doing calorimetric measurements on slow endothermal
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

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TT-65-14277

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THE PROBLEM OF THE HIGHER HYDROGEN PEROXIDE
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HEAT OF DISSOCIATION OF A VITREOUS SUBSTANCE
FORMED FROM WATER VAPOUR IN AN ELECTRIC DIS-
CHARGE (K Voprosu o Vysheish Pereklis Vodoroda i Zamo-
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Trapped Radicals and a Higher Peroxide of Hydrogen.
II. Some notes on the Thermochemistry of the Higher
Peroxide H_2O_4 and the HO_2 Radical by I.I. Skorok-
hodov, L.I. Nekrasov, L.A. Reznitskiy, K.G. Khomaykov,
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Heats Δ of Formation of Inorganic Compounds,
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and Frozen Radicals, by L. A. Reznitakiy, et al.
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Sci - Chem
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Mechanical Working of Hardened Steel, by L. M. Reznitskiy, 460 pp.

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ATIC MCL-406/V

Sci - Engr

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Effectiveness, by Hubert Rezny, Jan Nechutny,
7 pp. FOR OFFICIAL USE ONLY

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JPRS 3561

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A. B. REZNYAKOV

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BASIS OF COMMUNISM, BY A. B. REZNYANOV,
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The Effects of Initiators and Inhibitors of Chain
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ACS, Prince and Lemon Streets, Lancaster, Pa.

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Mechanical Properties of Mixtures of Carbon
Black With Vaseline Oil, by V. A. Kargin,
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OTS 60-16656

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National Aeronautics and Space Administration,
ON THE CALCULATION OF STEADY BOUNDARY
LAYERS FOR CONTINUOUS SUCTION, WITH
DISCONTINUOUSLY VARIABLE SUCTION VELOCITY.
(Zur berechnung stationärer grenzschichten bei
kontinuierlicher absaugung mit unstetig
veränderlicher absaugeschwindigkeit.)
Werner Rheinboldt. March 1961. 101 p. OTS price,
\$2.50. (NASA TECHNICAL TRANSLATION F-29.
Translation of thesis submitted for degree of Doctor
of the Faculty of Natural Sciences and Mathematics
to Albert-Ludwigs-Universität, Freiberg (Germany))

An exact method of calculating the laminar boundary-
layer velocity distributions for discontinuously vari-
able suction velocities in incompressible steady flow
is presented. The method is applicable to arbitrary
external pressure distributions. In essence, the
method consists in setting up a series expansion for
the stream function applicable near the surface,
(over)

Copies obtainable from NASA, Washington

I. Rheinboldt, Werner
II. NASA TT F-29
III. Albert-Ludwigs-
Universität, Freiberg
(Germany)

(Initial NASA distribution:
20, Fluid mechanics.)

SLA 61-21953

143, 066

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following an appropriate transformation of the variables. For larger distances from the wall, an asymptotic expansion is then connected to the initial series.

Copies obtainable from NASA, Washington

NASA

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VENTOR. [1958] 26p. 25 refs.
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Trans. of Angewandte Chemie (West Germany) 1958,
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A discussion is given on the extent of protection a
patent must have to be in the interest of the inventor
or how far it may be in the interest of the public. The
principles according to which the German infringe-
ment courts today determine the extent of protection
of a patent correspond to the interests of chemical
industry. The extent of protection should first be
determined in the infringement process. The exami-
nation of a general inventive idea, made valid in an
infringement process, relative to patentability, should
be left to the patent office. (Author) (An address given
October 9, 1957 at the Berlin General Meeting of the
(Social Sciences, TT, v. 5, no. 7)
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