

Boas, W.
ELASTIC BEHAVIOR OF SINGLE AND MULTIPLE
CRYSTALS OF TIN (Zum Elastischen Verhalten von
Zinn- Ein- und -Vielkristallen). [1962] [10]p. (foreign
text included) 8 refs.
Order from SLA \$1.10 62-20281

Trans. of Helvetica Physica Acta (Switzerland) 1934,
v. 7, p. 878-883.

DESCRIPTORS: *Crystals, *Single crystals, *Metal
crystals, *Tin, *Elasticity, Crystal structure,
Statistical analysis.

The orientation dependence of the elasticity- and torsion-
modulus of the tin crystal is indicated. By taking the
mean over the entire orientation range the moduli of the
quasi-isotropic polycrystal are calculated and compared
with experience. (Author) (See also 62-20280)
(Physics--Solid State, TT, v. 10, no. 1)

62-20281

I. Boas, W.

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A Laboratory Installation for the Electrolytic
Fractionation of Hydrogen Isotopes (Paper II), by
H. Ehrenroycer, Hans Oerter, 19 pp.

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pp 1226-1231.

AEC-NP-Tr-1023

Doc - Chem

AUG 63

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R. Baer

Conditions of Coherence in Diffraction Spectra Produced
in Liquids on Ultrasonic Standing Waves.

Helv. Phys. Acta. v. 8, no. 7, 1935 p 591-600.

NASA TT F 13925

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On the Calculation of the Torsion Modulus of Quasiasotropic Polycrystals from the Single Crystal Constants, by W. Boas, 7 pp.

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SLA 59-10434

Sci - Phys
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Concerning Researches on the Theory of Raman
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Ultrasonic Waves, by R. Bar.

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IN LIGHT DIFFRACTED BY ULTRASOUND IN
LIQUIDS. [1963] [35]p. 11 refs.
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Trans. of Helvetica Physica Acta (Switzerland) 1936,
v. 9, p. 63-83.

DESCRIPTORS: *Doppler effect, *Light, *Diffraction,
*Ultrasonic radiation, Liquids, Mercury lamps,
Tests, Measurement, *Frequency shift.

(Physics, TT, v. 10, no. 11)

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Extermann, R. [C.] and Wannier, G.
THEORY OF DIFFRACTION OF LIGHT BY SUPER-
SONIC WAVES, PT. I. [1962] 12p. 3 refs.
Order from SLA \$1.60 63-10092

Trans. of Helvetica Physica Acta (Switzerland) 1936,
v. 9, p. 520-532.

DESCRIPTORS: *Diffraction, *Light, Sound, Super-
sonic characteristics, Theory, Numerical methods and
procedures, Special functions, Electromagnetic waves.

(Physics--Theoretical, TT, v. 9, no. 11)

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- I. Title: Supersonic waves
- I. Extermann, R. C.
- II. Wannier, G.

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Extermann, Richard C.
THEORY OF DIFFRACTION OF LIGHT BY SUPER-
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Order from SLA \$2.60 63-10091

Trans. of Helvetica Physica Acta (Switzerland) 1937,
v. 10, p. 185-217.

DESCRIPTORS: *Diffraction, *Light, Sound, Super-
sonic characteristics, Theory, Equations, Propagation,
Spheres, Numerical methods and procedures, Elec-
tromagnetic waves.

(Physics--Theoretical, TT, v. 9, no. 11)

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pp 127-161, No 3, pp 199-220, 1942.

SIA Tr 57-820

Sci - Electronics

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A Cyclotron Ion Source, by H. Baumgartner, P. C. B
Gugelot, P. Scherrer, C. R. Extermann, P. Preiswerk,
3 pp.

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Sci - Electricity

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Stabilizers, by W. Bantle, 2 pp.

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Sensitivity of Counter Tubes With Lead, Brass and Alumi-
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to 5 mev, by H. Bradt, P. C. Gugelot, O. Huber, H. Medicus,
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The Absorption Method of the Determination of Beta
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Analysis of an Ion Source With 60 KV Acceleration
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H. Labhart, 1 p.

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On the Spectrum of Transitory Phonetic Elements,
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Experimental Measurements of the Thermionic
Emission of Graphite, Silicon and Silicon Carbide,
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SLA 60-18184

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A New Electron Source and Its Inversion as an
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Zoltan Szigyarto, 21 pp.

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DESCRIPTORS: *Electric power plants, *Water tanks,
*Sedimentation, Soils, Turbines, *Design, Fluid flow,
Hydrodynamics, Cleaning, *Earth Dams, Water
supplies, Terrain, *Civil engineering, Mountains,
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Contents:

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DESCRIPTORS: *Civil engineering, Hydraulic research,
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Contents:
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