

FTD (TDBDR-1)

BT67-16-112T

Request translation check

English title unk

Author: Herbert Wagner

Foreign title: Über die entstehung des dynamischen
auftriebes von tragflugeln

source: German per: Zeitschrift für angewandte
mathematik und mechanik, vol 5, nr 1, 1925, 17-35

The Monoplane as a Lifting Vortex, by Hermann
Blenk

Ze
GERMAN, per, Zeitschrift für Angewandte Mathematik
und Mechanik, Vol V, No 1, Feb 1925.

S.L.A. Tr Pool

14 233

Rotating Disks in the Region of Permanent Deformation,
by F. Laszlo

GERMAN, per, Zeitschrift für Angewandte Mathematik
und Mechanik, Ingenieurwissenschaftliche Forschungs-
arbeiten, Vol V, No 4, 1925.

S.L.A. Tr Pool

Scientific - Engineering
CTS/DEX

14,238

On the Theory of Plastic XX Deformations and the
Residual Stresses Set up in the Material, by
H. Hencky

GERMAN, Z. Angew. Math. Mech., 4, 323-334.

Associated Electrical Industries, LTD
Tr No T/445 OT/172

Scientific - Physics

Potential Flow Through Centrifugal Pumps and Turbines,
by H. Schenck

GERMAN, von, Z. f. angewandte Mathematik und
Mechanik, Vol. VII, No 2, Apr 1927.

TPA3/TIB T.N.973

Scientific - Engineering
CTB/DEK

5831

Prandtl, L.
A HYPOTHETICAL MODEL FOR THE KINETIC
THEORY OF SOLID BODIES (Ein Gedankenmodell zur
Kinetischen Theorie der Festen Körper). [1963] [15p]
Order from SLA \$1.60 TT-64-10042

Trans. of Zeitschrift für Angewandte Mathematik und
Mechanik (Germany) 1928, v. 8, Apr. p. 85-91.

DESCRIPTORS: *Kinetic theory, Solids, Models (Simula-
tions), Hysteresis, Transport properties, Crystal
lattices,

(Physics--Solid State, TT, v. 11, no. 4)

TT-64-10042

L. Prandtl, L.

Office of Technical Services

Mechanics of Plastic Deformation of Crystals, by
ROSKY R. von Mises, 57 pp.

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol. VIII, 1928, pp 161-185, 9206088.

AEC/UCLL/Tr 872(L)

Sci - Phys

May 63

230,682

Flexural Vibrations, Taking Account of the Beam
Mass and the External and Internal Damping, by
H. Holzer.

GERMAN, per, Z Angew Math Mech, Vol VIII, 1928,
pp 272-283.

RAE Farneborough Tr 673

Sci - Physics
Mar 58

59,264

62-16019

Bergmann, Stefan.
ON THE CALCULATION OF TEMPERATURE DISTRIBUTION IN THE ROTOR OF A DYNAMO MACHINE (Über die Berechnung der Temperaturverteilung im Rotor einer Dynamomaschine). [1962]
[30]p. (foreign text included) 5 refs.
Order from SLA \$2.60

62-16019

Trans. of Z[eitschrift für] Angewandte Math[ematik] und Mech[anik] (Germany) 1928, v. 8, no. 5,
p. 402-413.

DESCRIPTORS: Generators, Rotor blades, Thermal diffusion, Mathematical analysis, Polynomials, Matrix algebra.

(Unannounced)

Office of Technical Services

Geckeler, J. W.
PLASTIC YIELDING TO BUCKLING OR AXIAL COM-
PRESSION OF HOLLOW CYLINDER WALLS AND A
NUMBER OF OTHER FOLDING SYMPTOMS AT
SHELLS AND PLATES. [1962] 21p. (figs. omitted)
10 refs.

Order from SLA \$2.60

63-10679

Trans. of Zeitschrift für Angewandte Mathematik und
Mechanik (Germany) 1928, v. 8, no. 5, p. 341-352.

DESCRIPTORS: *Plasticity, Deformation, Compressive
properties, *Cylindrical bodies, Structural shells,
Sheets, *Elasticity, Mathematical analysis, Differen-
tial equations, Functions.

(Mechanics, TT, v. 10, no. 1)

63-10679

1. Title: Euler's formula
1. Geckeler, J. W.

Office of Technical Services

TT-63-18825

Busemann, A.
GRAPHICAL DETERMINATION OF PLANE FLOW AT
SUPERSONIC VELOCITY: [1963] 3p
Order from SLA \$1.10

TT-63-18825

Trans. of Zeit[schrift] für Angew[andte] Math[ematik]
und Mech[anik] (Germany) 1928, v. 8, no. 6, p. 423-424.

DESCRIPTORS: *Supersonic flow, *Graphic analysis

(Mechanics--Aerodynamics, TT, v. 11, no. 5)

Office of Technical Services

Torsion of Round Shafts With Variable Diameter,
by Rudolf Sonntag.
GERMAN, iper, Z fuer Angewandte Mathematik
und Mechanik, Vol IX, No 1, 1929, pp 1-22.
9692810
DDC RSIC-179

Sci-Engr
July 64

263,155

Calculating the Yield Point of Solid Solutions
From the Plasticity Condition for Single Cryst
Crystals, by A. Reuss, 14 pp.

GERMAN, per, Z Angew Math und Mech, Vol IX,
1929, pp 49-58. 9080657

AEC Tr-4649

Sci - Math
Aug 61

165,393

Hausen, Helmut.
ON THE THEORY OF HEAT EXCHANGE IN RE-
GENERATORS (Theorie von Wärmeaustauschern
Regenerators) tr. by J. E. Johnson. Nov 46 [35]p.
7 refs. RAE Library trans. 126.
Order from OTS or SLA \$3.60 61-15040

Trans. of Zeitschrift für Angewandte Mathematik
und Mechanik (Germany) 1929, v. 9 [no. 3]
p. 173-200.

A partial trans. (p. 173-175) is available from SLA
microfilm \$1.80, microfiche \$1.80 as 60-18092 [1960] [6]p.

DESCRIPTORS: Heat exchangers, Heat transfer,
Theory, Gases, Gas flow, Temperature, Distribution,
Numerical analysis, Differential equations, Integral
equations, Series.

(Unannounced)

61-15040

- I. Hausen, II.
- II. RAE Trans-126
- III. Royal Aircraft Establishment
(Gt. Brit.)

Office of Technical Services

Weinlg, Fritz.
RESISTANCE AND AIRFOIL WING PROFILES WITH
SPECIFIED VELOCITY DISTRIBUTION AT THE SUR-
FACE. [1962] 5p.
Order from K-H \$6.25

K-H 6641-f

Trans. of Zeitschrift für Angewandte Mathematik
und Mechanik (Germany) 1929, v. 9, no. 6,
p. 507-509.

DESCRIPTORS: *Airfoils, Wings, Resistance, Velocity,
Aerodynamics.

(Mechanics--Aerodynamics, TT, v. 8, no. 12)

62-22867

- I. Weinlg, F.
- II. K-H-6641-F
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Heat Transfer, Diffusion, and Evaporation, by
H. Russelt.

GERMAN, per, Z. angew Math. Mech., Vol X, No 2,
Apr 1930, pp 109-121.

NACA Tr 1367

Scientific - Chemistry

Aug 54 CTS

16,406

Flexural Vibrations, Account Being Taken of the Mass
of the Beam as Well as of Internal and External
Damping, by K. Muto.

GERMAN, per, Z Angew Math Mech, Vol X, 1930, pp 346-
353.

RAE Farnborough Tr 674

Sci - Physics
Mar 58

59,266

Estimate of Error in the Difference Method for the
Solution of Partial Differential Equations, by
S. Gerschgorin.

GERMAN, per, Zeit fur Angewandte Mathematik und
Mechanik, Vol X, 1930, pp 373-382. 9694656
DDC RSIC-222

Sci - Math
Oct 64

268,307

The "Prism-Derivator" and the "Differentio-Integrgraph,"
by E. von Harbou, 19 pp.

GERMAN, per, Z. Angew Math u Mech, Vol X, No 6, Dec
1930, pp 563-578.

SLA 57-3219

Sci

Aug 58

71,993

Flow tests on steel tubes under combined
tension and torsion, by Hohenemser, K. , 6 pp.

GERMAN, per, Z angew, Math u Mech, 11, no 1,
February, 1931, p 15 19.

SIA 58-480

Sci

Aug 59

94, 373

Flow of Water Through Concentric and Eccentric
Cylindrical Packing Glands With and Without Annular
Grooves, by R Erich Schnockenberg, 37 pp.

GERMAN, per, Z fuerA Angewandte Mathematik und
Mechanik, Vol XI(1), Feb 1931, pp 27-40. 9098278

AEC Tr-4905

Sci - Engr
Apr 62

189,934

Hausen, H[elmuth].
AN APPROXIMATE METHOD OF DIMENSIONING
REGENERATIVE HEAT EXCHANGERS, tr. by
C. K. Newcombe. Feb 46 [13]p. RAE Library trans. 98.
Order from OLS or SLA \$1.60 61-15041

Trans. of Z[eitschrift für] A[ngewandte] M[athematik
und] M[echanik] (Germany) 1931, v. 11, p. 1080.

DESCRIPTORS: Heat exchangers. Heat transfer. Gases.
Gas flow. Temperature. Distribution. Numerical anal-
ysis. Differential equations. Integral equations.

(Unannounced)

61-15041

I. Hausen, H.
II. RAE Trans-98
III. Royal Aircraft Establish-
ment (Gr. Brit.)

6-26-62

Office of Technical Services

Disintegration of a Fluid Jet, by Constantin
Weber, 58 pp.

GERMAN, per, Z Angew Math u Mech, Vol XI,
1931, pp 136-154.

ABC Tr 3783

Sci - Engr

Oct 59

99,550

The Mechanics of the Plastic Deformation of
Mild Steel, by K. Hohenemser, W. Prager, 17 p.

GERMAN, per, Zeit Angew Math Mech, 1932,
Vol XII, No 1, pp 1-14.

SLA 59-17712

Sci
Feb 60
Vol 2, No 10

108,913

The Effect of End-Thrust on the Flexural Vibration
of a Beam With Internal Damping, by K. Sezawa.

GERMAN, per, Z Angew Math Mech, Vol XII, 1932,
pp 275-279.

RAE Farnborough Tr 676

Sci - Physics
Mar 58

59,269

Contact of Curved Surfaces in the Presence of
Plane Deformation, 8 pp. UNCLASSIFIED

GERMAN, per, Zeitschrift fuer angewandte Mathematik
und Mechanik, Vol XIII, No 1, Feb 1933, pp 11-16.

Navy Tr 1087/ONI 1289

Scientific - Aeronautics

Dec 54 CTS/DEX

20,448

Two-Dimensional Deformation Of Curved Surfaces In
Contact With Each Other, by C. Weber.

GERMAN, per, Z.angew.Math,Mech., Vol 13, No 1

1933, pp 11-17

CSIRO/No. 7757

Sci -
Sep 67

340,078

Bending of Joist Aggregates, by S. Timoshenko,
14 pp.

GERMAN, per, Z fuer Angewandte Matemat und
Mechanik, Vol XIII, 1933, pp 153-159.

AEC Tr 3545

Sci - Engr
Mar 59

82,884

The Theory of Stability of the Elastic
Equilibrium, by E. Trefftz.

U. S. GOVERNMENT USE ONLY

GERMAN, per, Zeit für Angewandte
Mathematik und Mechanik, Vol XII, No 2,
1933, pp 160-165. P200108366
RSIC-587

Sci-Materials
Jan 67

316,502

1
Flow of Fluids in Curved Pipes, by M. Adler,
39 pp.

GERMAN, per, Z. angew Math u Mechan, Vol XIV,
1934, pp 257-276.

AEC Tr 2211

Scientific - Physics
CTS 73/Oct 1955

27,155

A New Representation of Wing Theory, by Theodore
von Karman.

GERMAN, per, Zeitschrift fur Angewandte Mathematik
und Mechanik, Band 15, Heft 1/2, Feb. 1935, pp 1-14.

*NSRDC T-340

Sci - Rhyx Aero
Oct 67

342,321

A New Representation of Wing Theory, by
Theodore von Karman.

GOVERNMENT USE ONLY

GERMAN, per, Zeitschrift für angewandte Mathe-
matik und Mechanik, Vol 15, No 1-2, Feb 1935,
pp 56-61.

Dept of Navy/ NSRDC T-340

Sci/Aero
May 68

356,815

Plane and Spatial Flow of Viscous, Incompressible,
Inertia-Free Fluids Between Eccentric, Mutually
Rotating Cylinder Surfaces, by H. Reissner, 14 pp.

GERMAN, per, Z. f. angew. Math. und Mech., Vol XV,
No 1-2, 1935, pp 81-87. 9098286

AEC Tr-4966

Sci - Engr
Apr 62

189, 921

63-17417

Kaiser, R[udolf].
THEORETICAL AND EXPERIMENTAL DETERMI-
NATION OF DEFLECTIONS AND STRESSES IN
SQUARE PLATES FREELY SUPPORTED AT THE
EDGES WITH UNIFORM LOAD DISTRIBUTION AND
LARGE DEFLECTIONS [Rechnerische und Experi-
mentelle Ermittlung der Durchbiegungen und Spannungen
von Quadratischen Platten bei Freier Auflagerung an
den Rändern, Gleichmässig Verteilter Last und
Grossen Ausbeugungen]. [May 63].
Order from BGIRA

BGIRA-555

Trans. of Zelt[Schrift] f[ür] Angew[andte] Math[ematik]
u[nd] Mech[anik] (Germany) [1936] v. 16, no. 2,
p. 73-98.

DESCRIPTORS: Deflection, Stresses, *Sheets,
Geometric forms, *Loading (Mechanics), Load
distribution.

(Mechanics, TT, v. 10, no. 6)

- I. Kaiser, R.
- II. BGIRA-555
- III. British Glass Industry
Research Association

Office of Technical Services

Plane and Spatial Flow of Viscous, Incompressible,
Inertia-Free Fluids Between Eccentric, Mutually
Rotating Cylinder Surfaces, by H. Reissner, 22 pp.

GERMAN, per, Z. fuer Angew Math und Mech, Vol XVI,
No 5, 1936, pp 275-287. 9053271

AEC Tr-4967

Sci - Engr
Apr 62

189,933

The Effect of High Viscosity on the Flow Around a
Cylinder and Around a Sphere, by H. Homann, 29 pp.

Full translation.

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XVI, No 3, Germany, Jun 1936,
pp 153-164.

NACA TM 1334

Sci - Math, Aero, Engr

Aug 52 CTS

DEX

VON OHNESORGE, W. Drop formation at nozzles and
decomposition of liquid jets.
Z. angew. Math. Mech. 16(6):355-8 (1936) (CRL/T. 3998x

Velocity and Temperature Distribution Behind a
Turbulent Flow, by R. G. Olsson

Publ. der. S. fuer Angewandte Mathematik und
Physik, Vol XVI, No 5, Oct 1936, pp 277-278.

3
TFA³/TIB T.541

Scientific - Engineering
div/EN

5817

Turbulent Flow on Wavy Walls, by H. Motzfeld,
GERMAN, per, Z. Angew. Math. Mech., Vol XVII,
No 4, 1937, pp 193-212.
NASA TT F-10,895

GOVERNMENT USE ONLY
Sci-Phys
Jul 67

332,870

On the Gas Dynamics of a Rotating ~~IMP~~ Impeller,
by A. Busemann, 16 pp.

GERMAN, per, Zeit fuer Angew Mathematik und
Mechanik, Vol XVIII, No 1, Feb 1938, pp 31-38.

SLA 2977
NACA TM 1385

Sci - Engineering

34,103

May 1958

On the Seepage of Water into the Ground From Canals,
by Georg Hamel.

GERMAN, Zeitschrift für Angewandte Mathematik und
Mechanik, Vol 18, No 1, Feb 1938, pp 39-43.

USA Corps of Engr, Waterways Exper Sta Tr 38-25⁴

Sci - Engineering, hydraulics, naval

Econ - Transportation, river, water

Available on loan at Research Center Library

Estimates of the Voltage of a Perforated Disk, by
H. Hengst.

GERMAN, per, ^hZ Angew Math~~ematik~~ und Mekh, Vol XVIII,
1938, pp 44-48.

*AEC

Sci - Phys

Sep 59

The Estimation of Errors in Adams' Method for
Integrating Ordinary Differential Equations, by
W. Tolluon

CHENMAN, par, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XVIII, No 1, Feb 1928, pp 83-90.

CPA3/TIB T.737

Scientific - Mathematics CTS/DEX

5499

Criticism of the Hele-Shaw Experiment, by P. Riegels

GERMAN, per, Z. fuer Angewandte Mathematik u. und
Mechanik, Vol XVIII, No 2, Apr 1938, pp 95-106.

TDA3/TIB T.722

Scientific - Engineering
GIB/DM

5820

The Indeterminateness of the Flow-Impulse in an
Infinitely Extensive Liquid, by Wollaston

Journal, ber. d. Ges. fuer Angewandte Mathematik und
Mechanik, Vol XVIII, No 3, Jan 1938, pp 151-154.

TPA3/TID 1.712

Scientific - Engineering
CIS/DEY

5821

Two Remarks on the Schwarz-Christoffel Transforma-
tion, by W. Mangler

REMARK, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XVIII, No 4, Aug 1938, pp
211-212.

TPA3/SIB 1.2097

Scientific - Mathematics CTS/DEX

5512

Approximate Methods for Calculating Characteristic
Values, by L. Collatz

GERMAN, per, Zeitschrift fuer Mathematik und
Mechanik, Vol XIX, No 4, 5, Aug - Oct 1939,
pp 224-249, 297-318.

THA3/TIB T.1029

Scientific - Mathematics CTS/DEX

5503

The Transition From Subsonic to Supersonic
Velocity in a Gas Flowing Through a Nozzle,
by H. Gortler

GERMAN, per, Z. Fuer Angewandte und Mathematik und
Mechanik, Vol XIX, No 6, Dec 1939, pp 323-337.

TPA3/TID T.1019

Scientific - Engineering
OTS/DEX

5839

Interpolation Procedure for the Calculation of
Families of Trajectories and Their Change Through
Variation of the Initial Ballistic Conditions, by
H. Athen, 27 pp.

GERMAN, per, Z Angew Math u Mech, Dec 1939,
pp 361-371.

SLA 57-2075

Sci -

May 58

63,120

On the Laminar Starting Flow of a Liquid Above a
Rotating Bottom at Sudden Changes of the State of
Rotation, by Karl Hans Thiriot, 18 pp.

GERMAN, per, Z. Angew Mathemat und Mechanik,
Feb 1940.

CIA/FDD X-4971

Sci

Aug 62

205,693

The Rotational Flow Above a Stationary Base, by U. T.
Boedewadt, 25 pp.

GERMAN, per, Z. Angew Mathemat und Mechanik, Oct 1940.

CIA/FDD X-4972

Sci

Aug 62

205,694

Exact Solutions of the Differential Equations of an
Adiabatic Gas Flow, by P. Ringleb

GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XX, No 4, Aug 1960, pp 185-193.

TRAJ/TIB 2.1609

Scientific - Engineering
CRS/DEX

5852

Heat Transfer in Turbulent Friction Layers, by
H. Reichardt, 77 pp.
GERMAN, per, Zeit fur Angewandte Math und Mechanik,
Vol 20, No 6, 1940, pp 297-328.
ARM/RSIC/Tr-905-69
GOVERNMENT USE ONLY

Sci/Phy
Apr 69

377,427

The Application of a Distortion Function in
Homography, by H. Knobloch

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXI, No 2, Apr 1941, pp
103-107.

TPA3/TIS T.1332

Scientific - Mathematics CTS/DEX

5509

Limit Lines in Adiabatic Potential Flows, by
H. Tollmien

GERMAN, por, Z. fuer Angewandte Mathematik und
Mechanik, Vol XXI, No 3, Jun 1941, pp 140-152.

TPA3/TIB T.1610

Scientific - Engineering
CRS/DEX

5853

Positions of Discontinuity in a Moving Continuum,
by Kucharski

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol. XXI, No 3, Jun 1941, pp 152-161.

TFA3/TIB T.1651

Scientific - Engineering
CTS/DEX

5491

New Linearisation of the Fundamental Equation of
the Two-Dimensional Adiabatic Compressible Potential
Flow, by H. Behrohm, M. Pini

GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol LXI, No 4, Aug 1941, pp 193-203.

TPA3/TIB T.1625

Scientific - Engineering
CPS/DEX

5855

On the Stability of Laminar Flow in a Straight
Pipe of Circular Cross Section, by J. Pratsch

WZM, per, Z. fuer Angewandte Mathematik und
Physik, Vol XXI, No 4, Aug 1941, pp 204-217.

WEAS, DTD E. 1947

Scientific - Engineering
Library

5848

The Increase of Areas by Means of Circular Notches,
by E. Weinel.

GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XXI, No 4, 1941, pp 228-230,
NASA TT F-9316

Sci-Math/Data Proc

Jun 68

U.S. GOVERNMENT ONLY

281,045

Turbulent Propagation of a Stream of Heated Air, Pt I
by W. Schmidt

GERMAN, per, Z. fuer Angewandte Mathematik und Mechanik
Vol XXI, No 5, Oct 1941, pp 262⁵-278.

TPA3/TIB T.1653

Scientific - Engineering
CIS/DEX

5857

Numerical Evaluation of Fourth Degree
(Biquadratic Equations), by Heinrich

CHENGB, for, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXI, No 5, Oct 1941, pp 304-308.

TRAC/TIB T.21/1

Scientific - Mathematics CTS/DEX

5501

Geometrical Relationship Between Two-Dimensional
Fields of Compressible Flow, by R. Sauer

ik, GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XXX, No 5, Oct 1941, pp 312-315.

TPA3/TIB T.1776

Scientific - Engineering
CTS/DEX

5859

On the Theory of Compressible Potential Flows II.,
by H. Behnke, N. Pini

GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XII, No 6, Dec 1941, pp 341-350.

TPA3/TIB T.1624

Scientific - Engineering
CIC/DC

5854

The Statistical Problems of Correlation as a Variation
and Characteristic Value Problem and Its Connection
With Mean Value Calculations, by H. Gebelein

GERMAN, per, Zeitschrift fuer Mathematik und
Mechanik, Vol XXI, No 6, Dec 1941, pp 364-379.

TPA3/FIB T.1708

Scientific - Mathematics CTS/DEX

5506

Condensation Phenomena in Supersonic Nozzles, by K.
Oswatitsch, 17 pp.

GERMAN, per, Z. Angew Math u Mech, Vol XXII, No 1,
Feb 1942, pp 1-14.

SLA 58-499

Sci

Aug 59

95,203

The Influence of the Nozzle on Resistance
Coefficients in the Free Jet II, by D. Bachmann,
Z. Flugwiss.

German, pp. 1. Zeitschrift für Angewandte Mathematik und
Mechanik, Vol XXII, No 1, Feb 1942, pp 17-22.

TRMS/HIS W.1225

Aerodynamic - Engineering
610412

5862

The Equations of Flow of a Gas/Liquid Mixture,
by G. Heinrich

GERMAN, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XXII, No 2, Apr 1942, pp 117-118.

TPA3/TIB T.2239

Scientific - Engineering
CIS/DEX

5879

An Approximate Solution of the Ordinary Linear
Differential Equation of the First Order, by
H. Buchner

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 3, Jun 1942, pp 143-152.

TPA3/RIB T.1821

Scientific - Mathematics CTS/DEX

5511

Notes on a Controlled Type of Unidimensional
Motion, by H. Bilharz

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 4, Aug 1942, pp 206-215.

TPA3/TIB T.2389

Scientific - Engineering CTS/DEX

5492

A Natural Interval for the Numerical Integration
of Systems of Linear Differential Equations, by
Collatz

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 4, Aug 1942, pp 216-225.

TPA3/TIB T.1914

Scientific - Mathematics CTS/DEX

5513

Interpolation in Tables Having Unequal Steps, by
J. Reinhold

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, VOL XXII, No 4, Aug 1942, pp 235-240.

STAS/INB 2.2141

Scientific - Mathematics CTS/DEK

5500

A New Approximation Method for the Numerical
Evaluation of Free Turbulence Problems, by
H. Gortler

GL20741, per, Z. fuer Angewandte Mathematik und
Mechanik, Vol XXII, No 5, Oct 1942, pp 249-254.

TPA3/TIB T.2234

100/T42

5878

Scientific - Engineering
CIS/DBX

Harmonic Analysis of Discrete Numerical Series,
by E. R. Berger, 5 p.

GERMAN, par, Zeit Angew Math Mech, 1942, Vol XXII,
No 5, pp 269-272.

SLA 59-17717

Sci
Feb 60
Vol 2, No 10

108,907

Stress Peak in Perforated Metal Plates and Strips,
by A. Hutter.

GERMAN, per, ^hZ Angew ~~Mat~~ und Mekh, Vol XXII,
1942, pp 322-335.

*AEC

Sci - Phys

Sep 59

The Convergence of the Newton Method for Systems of
Equations, by F. Rehbock

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 6, Dec 1942, pp 361-362.

TPA3/TIB T.2515

Scientific - Mathematics CTS/DEX

5626

Practical Interpolation, by H. Egger

GERMAN, per, Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 6, Dec 1942, pp 362-364.

TPA3/TIB T.2514

Scientific - Mathematics CTS/DEX

5625

On the Interpolation of Families of Curves, by
H. Arnold

GERMAN, pub. Zeitschrift fuer Angewandte Mathematik
und Mechanik, Vol XXII, No 6, Dec 1942, pp 364-366.

SIAS/ITE T.2515

Scientific - Mathematics CWS/DEX

5502

Method of Characteristics Applied to Spherical
and Cylindrical Waves of Frictionless Gases,
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