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NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

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LIST OF
TECHNICAL
MEMORANDUMS

1947 - 1953

WASHINGTON
1954

TECHNICAL MEMORANDUMS ¹

Citations to German reports in this list will use the following abbreviations where applicable:

ZWB—Zentrale für Wissenschaftliches Berichtswesen der Luftfahrtforschung des Generalluftzeugmeisters (German Central Publication Office for Aeronautical Reports).

FB—Forschungsbericht (Research Report).

UM—Untersuchungen und Mitteilungen (Reports and Memoranda).

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No.

1084. Kinetics of Chemical Reactions in Flames. By Y. Zeldovich and N. Semenov. From Journal of Experimental and Theoretical Physics (USSR) Vol. 10, 1940, pp. 1116-1123.

1086. Distribution of Structural Weight of Wing Along the Span. By V. V. Savelyev. From Central Aero-Hydrodynamical Institute Report No. 381, 1939.

1087. Strength Investigations in Aircraft Construction Under Repeated Application of the Load. By E. Gassner. From Luftwissen, Vol. 6, No. 2, Feb. 1939, pp. 61-54.

1088. A Camera for Obtaining Profile Photographs of Propellers and Model Airfoils. By R. Kuhl and K. Raab. From Luftwissen, Vol. 5, No. 5, May 1938, pp. 183-185.

1089. Investigation of Flow in a Centrifugal Pump. By Karl Fischer. From Mitteilungen des Hydraulischen Institute der Technischen Hochschule München, No. 4, 1931.

1090. On the Problem of Stress Corrosion. By L. Graf. From Luftwissen, Vol. 7, No. 5, May 1940, pp. 160-169.

1091. The Effect on the Sperry Directional Gyro in Turning. By Rossello Rosselli Del Turco. From Atti Di Guidonia, No. 18, Oct. 6, 1939, pp. 373-380.

1092. On Laminar and Turbulent Friction. By Theo. Von Karman. From Zeitschrift für Angewandte Mathematik und Mechanik, Vol. 1, No. 4, August 1921, pp. 233-252.

1093. The Further Development of Heat-Resistant Materials for Aircraft Engines. By Franz Bollenrath. From Luftfahrtforschung, Vol. 14, No. 4-5, April 20, 1937, pp. 196-203.

1094. Investigation of the Behavior of Thin-Walled Panels with Cutouts. By A. A. Podorozhny. From Central Aero-Hydrodynamical Institute Report No. 454, 1939.

1095. Wind-Tunnel Investigation of the Horizontal Motion of a Wing Near the Ground. By Y. N. Serebrisky, S. A. Biachuev. From Central Aero-Hydrodynamical Institute Report No. 437.

1096. Investigation of Turbulent Mixing Processes. By K. Viktorin. From Forschung, Vol. 12, No. 1, Jan.-Feb. 1941, pp 16-30.

1097. Scale Effect and Optimum Relations for Sea Surface Planing. By L. Sedov. From Central Aero-Hydrodynamical Institute Report No. 439, 1939.

1098. The Oscillating Circular Airfoil on the Basis of Potential Theory. Parts I & II. By Th. Schade (Pt. I) K. Krienes & Th. Schade (Pt. II) From Luftfahrtforschung, Dec. 10, 1940, pp. 387-400 (Pt. I) Luftfahrtforschung, Aug. 20, 1942, pp. 282-291 (Pt. II).

1099. Aircscrew Gyroscopic Moments. By G. Bock. From Luftwissen, Vol. 8, No. 3, March 1941, pp 96-97.

1100. Infinitesimal Conical Supersonic Flow. By Adolf Busemann. From Deutschen Akademie der Luftfahrtforschung, 1942-43, pp. 455.

1101. Investigations of Pressure Distribution on Fast Flying Bodies. By G. Stamm. From ZWB, UM 8103, August 18, 1944.

1102. High Speed Measurements on a Swept-Back Wing (Sweep-back Angle $\phi=35^\circ$). By B. Gothert. From Lillenthal-Gesellschaft für Luftfahrtforschung, Report 156, p. 30-40.

1103. Calibration Tunnel for High Speed. By J. Pretsch. From AVA Göttingen.

1104. The Influence of the Jet of a Propulsion Unit on Nearby Wings. By H. Falk. From ZWB, UM 3200, Dec. 28, 1944.

1105. Plane and Three-Dimensional Flow at High Subsonic Speeds. By B. Gothert. From Lillenthal Gesellschaft 127.

1107. Six-component Measurements on a Straight and a 35° Swept-back Trapezoidal Wing with and Without Split Flap. By G. Thiel and F. Weissinger. From ZWB, UM 1278, Aug. 1, 1944.

1108. Force and Pressure-Distribution Measurements on a Rectangular Wing with a Slotted Droop Nose and With Either Plain and Split Flaps in Combination or a Slotted Flap. By H. G. Lemme. From ZWB, FB 1676/2, May 14, 1943.

1109. Flow Investigation with the Aid of Ultramicroscope. By G. Vogelpohl and D. Mannesmann. From Forschung auf dem Gebiete des Ingenieurwesens, Vol. 8, Pt. I, Jan.-Feb. 1937, p. 42-47.

1110. On Combustion in a Turbulent Flow. By K. I. Shelkin. From Journal of Technical Physics (U.S.S.R.) Vol. XIII, Nos. 9-10, 1943.

1111. The Monoplane as a Lifting Vortex Surface. By Hermann Blenk. From Zeitschrift für angewandte Mathematik und Mechanik, Vol. 5, No. 1, February 1925.

1112. The Effect of Turbulence on the Flame Velocity in Gas Mixtures. By Gerhard Damköhler. From Zeitschrift für Elektrochemie und Angewandte Physikalische Chemie, Vol. 46, No. 11, Nov., 1940, p. 601-26.

1113. Investigation of Compressibility Shocks and Boundary Layers in Gases Moving at High Speed. By J. Ackeret, F. Feldmann and N. Rott. From Eidgenössischen Technischen Hochschule Zürich. Institut für Aerodynamik, Mitteilungen, No. 10.

1114. The Calculation of Compressible Flows with Local Regions of Supersonic Velocity. By B. Gothert, K. E. Kawalki. From ZWB, FB 1794, Aug. 7, 1943.

1115. Pressure Distribution Measurements at High Speed and Oblique Incidence of Flow. By A. Lippisch and W. Beuschauen. From ZWB, FB 1669, Sept. 25, 1942.

1117. Force and Pressure-Distribution Measurements on a Rectangular Wing with Doubly Hinged Nose. By H. A. Lemme. From ZWB, FB 1676/3, June 2, 1944.

¹ The missing numbers in the series of technical memorandums were released before or after the period covered by this

1118. The Flow Through Axial Turbine Stages of Large Radial Blade Length. By Eckert & Korbacher. From ZWB, FB 1750, Feb. 18, 1943.
1119. Systematic Wind-Tunnel Measurements on a Laminar Wing With Nose Flap. By W. Krueger. From ZWB, FB 1948, June 11, 1944.
1120. The Lift Distribution of Swept-Back Wings. By J. Weissinger. From ZWB, FB 1553, Feb. 27, 1942.
1121. Theoretical Investigation of Drag Reduction by Maintaining the Laminar Boundary Layer by Suction. By A. Ulrich. From Aerodynamische Institut der Technischen Hochschule Braunschweig, Report No. 44/8, March 20, 1944.
1122. Systematic Wind Tunnel Measurements on Missiles. By O. Walchner. From Lilienthal-Gesellschaft Rept. No. 139, p. 29-37.
1123. Investigations on Experimental Impellers for Axial Blowers. By W. Encke. From Aerodynamische Versuchsanstalt Göttingen E. V., Göttingen, Inst. f. Strömungsmaschinen, ZWB, UM 3135, April 1944, pp. 1-28.
1124. Practical Possibilities of High Altitude Flight with Exhaust Gas Turbines in Connection with Ignition Engines—Comparative Thermodynamic and Flight Mechanical Investigations. By A. Weise. From ZWB, FB 430, July 22, 1935.
1126. Pressure-Distribution Measurements on a Straight and on a 35° Swept-Back Tapered Wing. By A. Thiel and J. Weissinger. From UM 1293, Sept. 29, 1944.
1127. Russian Laminar Flow Airfoils 3rd Part: Measurements of the Profile. By F. Riegels. From UM 3067.
1128. Recent Results on High-Pressure Axial Blowers. By B. Eckert. From V. D. I. Zeit., Vol. 88, No. 37/38, Sept. 16, 1944, p. 516-520.
1129. Test Report on 3- and 6-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio (Trapezoidal Wing with Fuselage) by Lange & Wacke. From UM 1023/2.
1130. Calibration and Measurement in Tubulence Research by the Hot-Wire Method. By L. I. G. Kovaszny. From Aeronautical Institute of Hungarian Technical University, Budapest, Hungary, 1943.
1131. Gas-Dynamic Investigations of the Pulse-Jet Tube. By F. Schultz-Grunow. From ZWB, FB 2015/1 u. 2., June 1943 and August 1944.
1132. Possibilities of Shortening of the Structural Length of Axial Airplane Superchargers. By B. Eckert. From Technische Hochschule, Stuttgart, Germany.
1133. Method of Characteristics for Three-Dimensional Axially Symmetrical Supersonic Flows. By R. Sauer. From ZWB, FB 1269, August 14, 1940.
1134. The Distribution of Loads on Rivets Connecting a Plate to a Beam under Transverse Loads. By Prof. F. Vogt. From Reprint of Report No. S. M. E. 3301, Oct. 1944; issued by the Royal Aircraft Establishment, Farnborough, England.
1135. The Load Distribution in Bolted or Riveted Joints in Light-Alloy Structures. By Prof. F. Vogt. From Reprint of Report No. S. M. E. 3300, Oct. 1944; issued by the Royal Aircraft Establishment, Farnborough, England.
1136. On the Vortex Sound from Rotating Rods. By E. Y. Yudin. From Zhurnal Tekhnicheskoi Fiziki, Vol. 14, No. 9, p. 561, 1944.
1140. Pressure Recovery for Missiles with Reaction Propulsion at High Supersonic Speeds (The Efficiency of Shock Diffusers). By Kl. Oswatitsch. From Forschungen und Entwicklungen des Heereswaffenamtes, Report No. 1005, Göttingen, Jan. 1944.
1141. The Combination of Internal-Combustion Engine and Gas Turbine. By K. Zinner. From V. D. I. Zeitschrift, May 13, 1944, p. 245.
1142. Fundamentals of the Control of Gas Turbine Power Plants for Aircraft, Part 1. By H. Kühl. From ZWB, FB 1796/1, May 17, 1943.
1143. Fundamentals of the Control of Gas Turbine Power Plants for Aircraft, Part 2. By H. Kühl. From ZWB, FB 1796/2, July 9, 1943.
1144. Rockets Using Liquid Oxygen. By Adolph Busemann. From Schr. d. D. Akad. d. Luftfahrtforschung, Vol. 1071, No. 82, 1943, p. 127-43.
1145. Rocket Power Plants Based on Nitric Acid and Their Specific Propulsive Weights. By Helmut Zborowski. From R-Antriebe, Schriften der Deutschen Akademie der Luftfahrtforschung, Vol. 1071, No. 82, 1943, p. 91-126.
1146. Test Report on Three- and Six-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio. (Partial Report: Elliptic Wing.) By Lange & Wacke. From ZWB, UM 1023/3, Sept. 21, 1943.
1147. General Characteristics of the Flow Through Nozzles at Near Critical Speeds. By R. Sauer. From ZWB, FB 1992, Sept. 25, 1944.
1148. Lift Increase by Blowing Out Air, Tests on Airfoil of 12 Percent Thickness, Using Various Types of Flap. By W. Schwier. From ZWB, FB 1648, Sept. 15, 1942.
1149. Three-Component Force and Mass-Flow Measurements on a Jet Nacelle. By G. Ilgmann and E. Moeller. From Aerodynamisches Institut der Technischen Hochschule Braunschweig. Report No. 45/3. Braunschweig Mar. 8, 1945.
1150. Compression Shocks of Detached Flow. By Eggink. From ZWB, FB 1850, Aug. 12, 1943.
1151. Lift and Drag of Wings with Small Span. By F. Weinig. From ZWB, FB 1665, Sept. 8, 1942.
1152. Flow Detachments by Compression Shocks. B. A. Weise. From Technische Berichte, 1943, v. 10, No. 2, p. 59-61 Photostat. (Ger. text) see also: Nat. Research Labs., Div. of Mech. Eng., Gas Dynamics Sect. Tech. Trans. TT-1. Apr. 3, 1947. 7 p. illus. (Title varies) 1137.
1153. Body of Revolution in Subsonic Flow. By H. Bilharz and E. Holder. From ZWB, FB 1169/1, Jan. 15, 1940.
1154. Theory of Wings in Non-Stationary Flow. By A. J. Nekrasoff. From Bulletin de L'Academie des Sciences de L'URSS, 1945. No. 4-5, p. 382-395.
1155. On the Problems of Chaplygin for Mixed Sub- and Supersonic Flows. By F. Frankl. From Bulletin de L'Academie des Sciences de L'URSS, Vol. 9, 1945, p. 121-143.
1156. On the Theory of the Unsteady Motion of an Airfoil. By L. L. Sedoff. From Central Aero-Hydrodynamical Institute, Transactions No. 229, 1935.
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1158. Some Aerodynamic Relations for an Airfoil in Oblique Flow. By F. Ringleb. From ZWB, FB 1497, Oct. 21, 1941.

160. Concerning the Velocity of Evaporation of Small Droplets in a Gas Atmosphere. By N. Fuchs. From *Physikalische Zeitschrift der Sowjetunion*. Vol. 6, 1934, p. 224-243.
162. Tunnel Correction for Compressible Subsonic Flow. By A. V. Baranoff. From ZWB, FB 1272, July 5, 1940.
163. Drag Corrections in High Speed Wind Tunnels. By H. Ludwig. From ZWB, FB 1955, April 14, 1944.
164. Pressure-Distribution Measurements on Unyawed Swept-Back Wings. By W. Jacob. From ZWB, UM 2052, Dec. 21, 1943.
166. The Fundamentals of the Control of Gas Turbine Power Plants for Aircraft. Parts III—Control of Jet Engines. By H. Kühl. From ZWB, FB 1796/3, July 22, 1943.
167. Calculations and Experimental Investigations of the Feed-Power Requirements of Airplanes with Boundary-Layer Control. By W. Krüger. From ZWB, FB 1618, April 27, 1942.
168. Drag Reduction by Suction of the Boundary Layer Separated Behind Shock Wave Formation at High Mach Numbers. By B. Regenscheit. From ZWB, FB 1424, July 1, 1941.
169. Description of Russian Aircraft Engines "AM 35" and "AM 38". By H. Denkmeier and K. Gross. From ZWB, UM 690, Aug. 1, 1942.
170. Report on Rocket Power Plants Based on Hydrogen Peroxide. By Hellmuth Walter. From *Schr. d. D. Akad. d. Luftfahrtforschung*, Vol. 1071, No. 82, 1943, p. 63-89.
171. Laboratory Report on the Investigation of the Flow Around Two Turbine-Blade Profiles Using the Interferometer Method. By K. von Vietinghoff-Scheel. From ZWB, UM 2096, May 31, 1944.
172. Preliminary Report on the Fundamentals of the Control of Turbine-Propeller Jet-Power Plants. By H. Kühl. From ZWB, UM 1272, June 9, 1944.
173. Pressure Distribution Measurements on a Turbine Rotor Blade Passing Behind a Turbine Nozzle Lattice. By Hausenblas. From *Berichte der Gittertagung in Braunschweig, Institut f. Motorenforschung der Luftfahrtforschungsanstalt Hermann Göring*, Mar. 27 & 28, 1944, Br. B. Nr. M325/44g, p. 95-100.
174. Analytical Treatment of Normal Condensation Shock. By Heybey. From Heeres-Versuchsstelle, Peenemünde, Archiv. Nr. 66/72, Mar. 30, 1942.
177. Wind-Tunnel Investigations on a Changed Mustang Profile with Nose Flap Force and Pressure-Distribution Measurement. By W. Krueger. From ZWB, UM 3153.
179. Determination of the Stress Concentration Factor of a Stepped Shaft Stressed in Torsion by Means of Precision Strain Gauges. By A. Weigand. From *Luftfahrt-Forschung*, Vol. 20, Section 7, pp. 217-219, München, July 20, 1943.
181. Investigations on Reductions of Friction on Wings, in Particular by Means of Boundary Layer Suction. By Werner Pfenninger. From *Eidgenössische Technische Hochschule Zürich, Institute für Aerodynamik, Mitteilungen—No. 13*, 1946.
183. Temperatures and Stresses on Hollow Blades for Gas Turbines. By Erich Pollman. From ZWB, FB 1879 July 30, 1943.
1184. Development and Construction of an Interferometer for Optical Measurements of Density Fields. By Th. Zobel. From ZWB, FB 1008, June 30, 1938.
1187. Equations for Adiabatic but Rotational Steady Gas Flows Without Friction. By Manfred Schäfer. From *Lehrstuhl für Technische Mechanik an der Technischen Hochschule Dresden*, Archiv. Nr. 44/1.

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1116. Stability of Plates and Shells Beyond the Proportional Limit. By A. A. Ilyushin. From *Prikladnaya Matematika i Mekhanika*, N. S. 8, No. 5, 1944, pp. 337-360.
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1137. The Turbulent Flow in Diffusers of Small Divergence Angle. By G. A. Gourzhienko. From *Central Aero-Hydrodynamical Institute, Report 462*, 1939.
1138. On the Application of the Energy Method to Stability Problems. By Karl Marguerre. From *Jahrbuch 1938 der Deutschen Versuchsanstalt für Luftfahrt*, pp. 252-262.
1139. Planing of Watercraft. By Herbert Wagner. From *Jahrbuch der Schiffbautechnik*, vol. 34, 1933, pp. 205-227.
1159. Wind-Tunnel Measurements on the Henschel Missile "Zitterrochen" in Subsonic and Supersonic Velocities. By Weber and Kehl. Wind-Tunnel Measurements on the Wing of the Henschel Missile "Zitterrochen" in Subsonic and Supersonic Velocities. By Kehl. From ZWB, UM 3122, Oct. 7, 1944.
1165. Coefficient of Friction, Oil Flow and Heat Balance of a Full-Journal Bearing. By P. I. Orloff. From *Aeronautical Engineering (Moscow) 9th year*, Jan. 1935, pp. 25-56.
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1176. Test Report on Three- and Six-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio. (Partial Report: Triangular Wing). By Lange/Wacke. From ZWB, UM 1023/5, Sept. 27, 1943.
1178. Investigation of the Operating Properties of the Leakage Current Anemometer. By Wilhelm Fucks. From *Aachen*, Feb. 4, 1944; ZWB, UM 1203.
1180. Maintaining Laminar Flow in the Boundary Layer Using a Swept-Back Wing. By Brennecke. From ZWB, UM 3151, Sept. 13, 1944.
1182. The Problem of Torsion in Prismatic Members of Circular Segmental Cross Section. By A. Weigand. From *Luftfahrtforschung*, Vol. 20, No. 12, Feb. 8, 1944, pp. 333-340.
1185. Systematic Investigations of the Influence of the Shape of the Profile upon the Position of the Transition Point. By K. Bussmann and A. Ulrich. From *Technische Berichte und Abdrücke aus Jahrbuch 1943 der deutschen Luftfahrtforschung* Vol. 10 (1943), No. 9, Sept. 15, 1943, IA 010, pp. 1-19.
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1188. The Elasto-Plastic Stability of Plates. By A. A. Ilyushin. From *Prikladnaya Matematika i Mekhanika* X, 1946, pp. 623-638.
1189. Theoretical Analysis of Stationary Potential Flows and Boundary Layers at High Speed. By K. Oswatitsch and K. Wiegardt. From *Lilienthal-Gesellschaft für Luftfahrtforschung Report S 13/1*, pp. 7-24.
1190. Tests of Cascades of Airfoils for Retarded Flow. By Yoshinori Shimoyama. From *Transactions of the Society of Mechanical Engineers, Japan*. Vol. 3, No. 13, Nov. 1937, pp. 334-344.
1191. Venturi Tube with Varying Mass Flow. By B. Regenscheit. From *ZWB, FB 1945*, May 19, 1944.
1192. Rotating Disks in the Region of Permanent Deformation. By F. László. From *Zeitschrift für angewandte Mathematik und Mechanik, Ingenieurwissenschaftliche Forschungsarbeiten*, Vol. 5, No. 4, Aug. 1925, pp. 281-293.
1193. Measurements on Compressor-Blade Lattices. By F. Weing and B. Eckert. From *Berichte der Gittertagung in Braunschweig, Institut für Motorenforschung der Luftfahrtforschungsanstalt Hermann Göring*, Mar. 27 and 28, 1944.
1195. On the Sound Field of a Rotating Propeller. By L. Gutin. From *Physikalische Zeitschrift der Sowjetunion*, Vol. 9, No. 1, 1936, pp. 57-71.

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1161. Wind-Tunnel Tests on Various Types of Dive Brakes Mounted in Proximity of the Leading Edge of the Wing. By Bernardino Lattanzi and Erno Bellante. From *Relazione Tecnica No. 10: Ministero dell' Aeronautica Direzione Superiore Studi ed Esperienze, 1 Divisione—Sezione Aerodinamica, Guidonia*, December 1942.
1194. Force- and Pressure-Distribution Measurements on Eight Fuselages. By G. Lange. From *ZWB, FB 1516*, Oct. 24, 1941.
1196. Nonstationary Gas Flow in Thin Pipes of Variable Cross Section. By G. Guderley. From *ZWB, FB 1744*, Oct. 22, 1942.
1199. Compression Shocks in Two-Dimensional Gas Flows. By A. Busemann. From *Vorträge aus dem Gebiete der Aerodynamik und verwandter Gebiete*, Aachen, 1929, pp. 162-169.
1201. Rotation in Free Fall of Rectangular Wings of Elongated Shape. By Paul Dupleich. From *Publications Scientifiques et Techniques du Secretariat d'Etat a l'Aviation*, No. 176, 1941.
1202. On Wind Tunnel Tests and Computations Concerning the Problem of Shrouded Propellers. By W. Krüger. From *ZWB, FB 1949*, Jan. 21, 1944.
1203. The Compressible Flow Past Various Plane Profiles Near Sonic Velocity. By G. Göthert and K. H. Kawalki. From *ZWB, UM 1471*, Jan. 6, 1945.
1204. Some New Problems on Shells and Thin Structures. By V. S. Vlasov. From: *Izvestia Akademii Nauk*, 1947, No. 1, pp. 27-53.
1205. Exact Calculation of Laminar Boundary Layer in Longitudinal Flow Over a Flat Plate with Homogeneous Suction. By Rudolf Iglisch. From *Mathematical Institute of the Technical Academy Braunschweig, Schriften der Deutschen Akademie der Luftfahrtforschung*, Vol. 8B, No. 1, 1944.

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1207. The Theory of Plasticity in the Case of Simple Loading Accompanied by Strain-Hardening. By A. A. Ilyushin. From *Prikladnaya Matematika i Mekhanika*, Vol. 2, No. 2, 1947, pp. 293-296.
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1210. Development of Spoiler Controls for Remote Control of Flying Missiles. By G. Ernst and M. Kramer. From *ZWB, FB 1717*, Jan. 6, 1943.
1211. The Characteristics Method Applied to Stationary Dimensional and Rotationally Symmetrical Gas Flows. By F. Pfeiffer and W. Meyer-König. From *ZWB, FB 1581*, Mar. 20, 1942.
1212. On the Theory of the Laval Nozzle. By S. V. Falkovich. From *Prikladnaya Matematika i Mekhanika*, Vol. 2, No. 4, 1946, pp. 503-512.
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1214. Jet Diffusion in Proximity of a Wall. By D. Küchenhoff. From *ZWB, UM 3057*, Dec. 31, 1943.
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1217. Lecture Series "Boundary Layer Theory". Part I—Laminar Flows. By H. Schlichting. (Given during Winter Semester 1941/2 at Luftfahrtforschungsanstalt Hermann Göring, Braunschweig) From *ZWB*, pp. 1-153.
1218. Lecture Series "Boundary Layer Theory". Part II—Turbulent Flows. By H. Schlichting. (Given during Winter Semester 1941/2 at Luftfahrtforschungsanstalt Hermann Göring, Braunschweig) From *ZWB*, pp. 154-200.
1219. The Influence of the Application of Power During the Recovery of Multiengine Airplanes. By P. Höpfer. From *ZWB, FB 1536*, Feb. 12, 1942.
1224. Lamé's Wave Functions of the Ellipsoid of Revolution. By J. Meixner. From *ZWB, FB 1952*, June 1944.
1225. Test Report on Three- and Six-Component Measurements on a Series of Tapered Wings of Small Aspect Ratio (Partial Report: Trapezoidal Wing) By Lange/Wiegardt. From *ZWB, UM 1023/1*, Sept. 15, 1943.
1229. Heat Transmission in the Boundary Layer. By I. Kalikhman. From *Prikladnaya Matematika i Mekhanika*, Vol. 10, 1946, pp. 449-474.

1230. Effect of the Acceleration of Elongated Bodies of Revolution Upon the Resistance in a Compressible Flow. By F. I. Frankl. From *Prikladnaya Matematika i Mekhanika*, Vol. 10, No. 4, 1946, pp. 521-524.
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1234. Computation of Thin-Walled Prismatic Shells. By V. Z. Vlasov. From *Prikladnaya Matematika i Mekhanika*, Vol. 8, No. 5, 1944.
1238. Two-Dimensional Wing Theory in the Supersonic Range. By H. Hönl. From *ZWB*, FB 1903, Jan. 6, 1944.
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1249. Susceptibility to Welding Cracking, Welding Sensitivity, Susceptibility to Welding Seam Cracking, and Test Methods for these Failures. By K. L. Zeyen. From *ZWB*, *Luftfahrtforschung*, Vol. 20, No. 8/9, Oct. 16, 1943, pp. 231-241.

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Citations to German reports in this list will use the following abbreviations where applicable:

ZWB—Zentrale für Wissenschaftliches Berichtswesen der Luftfahrtforschung des Generalluftzeugmeisters (German Central Publication Office for Aeronautical Reports).

FB—Forschungsbericht (Research Report).

UM—Untersuchungen und Mitteilungen (Reports and Memoranda).

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