

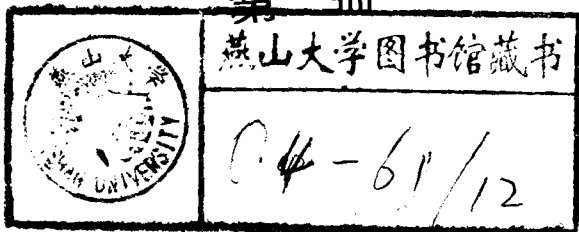
物理大辭典

第二冊

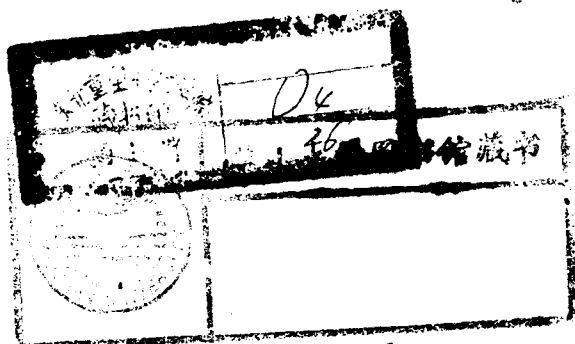
人文出版社印行

物理大辭典

第一冊



0224461



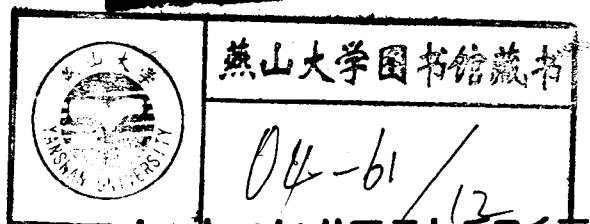
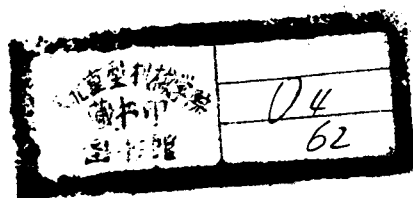
人文出版社印行

物理大辭典

第三冊



0224283



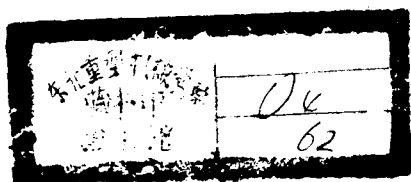
人文出版社印行

084000
物理大辭典

第四冊



0224463



04-61/12

人文出版社印行



版權所有 不准翻印

中華民國六十九年四月初版

物理大辭典

普及本全書共四冊

主 編：段 木 干

出版者：人文出版社有限公司

發行人：段 鏡

社 址：台中市忠明路二十巷十一號

電 話：五 一 八 八 八 八 號

郵 撥：二 八 〇 〇 〇 號

登記證字號：局版台業字一三三二號

印刷廠：三 興 彩 色 印 刷 廠

地 址：台中市健行路八五六號

電 話：三 一 八 五 六 二 號

編輯大意

- 一、物理學是自然科學的基礎。十九世紀的古典物理學，有力學、電磁學、聲學、光學和熱學等。近代物理學有量子物理、原子物理、固態物理、核子物理、粒子物理和電漿物理等。應用科學如工程科學、農業科學與醫藥科學等，都離不開物理學。物理學提供理論、原理與實驗的結果，而應用科學則回報以新的技術與工具。
- 二、近代物理學對大宇宙的探測方面，由人造衛星、太空船的發射，已爲人類觀測其他星球闢出坦途。在基本粒子方面於電子、核子、介子和微中子等作深入觀察、實驗後，又在正電子、反質子、反中子以及極子、反極子等方面迭有創獲。
- 三、物理學蓬勃地發展，正爲人類創造嶄新的境界。因此，我們博採舉凡有關物理的一切名詞、概念和現象，計 10,530 條，言簡意賅的加以說明，彙成本辭典，提供給學術人士，作爲參攷查閱之用。全書共六千餘頁，約八百萬字，三十二開本，精裝四大冊。內容豐富，編校審慎，是我國目前取材最龐大、收錄最完全的物理大辭典。
- 四、本辭典係依每一名詞起首文字之中文筆畫多少，定爲先後順序，并採用科學方法編排，檢校查攷，極爲便利，書前列有物理學概論，簡介物理學的發展小史及其主要內容，期使讀者能獲得基本而有系統的物理常識。書後列有附錄多種，諸如實驗法則與實驗方法、物理標準和物理常數、力和運動、熱學、聲學、光學、電磁學以及高能物理、量子物理、太空科學等等，重要資料，應有盡有。又，書後編有中英文索引，可以中英對照。一部精良的工具書，可使學術研究工作事半功倍。本辭典誤漏或所難免，尚祈學者不吝教正。

編 者

英 文 索 引

A	1 ~ 24	N	198 ~ 208
B	25 ~ 36	O	209 ~ 215
C	37 ~ 65	P	216 ~ 242
D	66 ~ 81	Q	243 ~ 244
E	82 ~ 101	R	245 ~ 266
F	102 ~ 115	S	267 ~ 298
G	116 ~ 124	T	299 ~ 315
H	125 ~ 136	U	316 ~ 320
I	137 ~ 152	V	321 ~ 328
J	153 ~ 155	W	329 ~ 334
K	156 ~ 158	X	335 ~ 335
L	159 ~ 174	Y	336 ~ 336
M	175 ~ 197	Z	337 ~ 338

A

<i>AB power pack</i>	756
<i>Abampere</i>	3293
<i>A - battery</i>	756
<i>Abbe's number</i>	1892
<i>Abcoulomb</i>	3296
<i>Aberration</i>	872 , 4103
<i>Absolute black-body</i>	3302
<i>Absolute electrostatic unit of quantity</i>	3308
<i>Absolute height</i>	3296
<i>Absolute horizon</i>	3293
<i>Absolute humidity</i>	3308
<i>Absolute index of refraction</i>	3293
<i>Absolute luminosity</i>	3293
<i>Absolute magnitude</i>	3294
<i>Absolute medium coefficient</i>	3293
<i>Absolute permeability</i>	3308
<i>Absolute pressure</i>	3308
<i>Absolute reference system</i>	3296
<i>Absolute system of units</i>	3296
<i>Absolute temperature</i>	3302
<i>Absolute unit of force</i>	52
<i>Absolute units</i>	3296
<i>Absolute vertical</i>	3294
<i>Absolute viscosity</i>	3308
<i>Absolute weight</i>	3294

<i>Absolute zero</i>	3307
<i>Absorbed dose</i>	1373
<i>Absorber</i>	1373
<i>Absorptance</i>	1367
<i>Absorption</i>	1367
<i>Absorption circuit</i>	1373
<i>Absorption coefficient</i>	1371
<i>Absorption coefficient of atoms</i>	2302
<i>Absorption current</i>	1372
<i>Absorption dielectric</i>	206
<i>Absorption edge ; Absorption limit</i>	1372
<i>Absorption mean free path</i>	1367
<i>Absorption of radiation</i>	4621
<i>Absorption of sound</i>	1375 , 4738
<i>Absorption of X-ray</i>	5014
<i>Absorption spectrum</i>	1367
<i>Absorption wave meter</i>	1367
<i>Abundance</i>	4844
<i>A. C. component of plate current</i>	3890
<i>A. C. cycle</i>	836
<i>A. C. -D. C.</i>	826
<i>A. C. -D. C. half wave rectifier & power supply</i>	826
<i>A. C. generator</i>	830
<i>A. C. hum</i>	836
<i>A. C. positioning</i>	830
<i>A. C. receiver</i>	830

<i>A. C. spectrum</i>	836
<i>A. C. tube</i>	836
<i>Accelerated motion</i>	639
<i>Accelerated rotation</i>	642
<i>Accelerating electrode</i>	1943
<i>Accelerating grid</i>	639
<i>Accelerating well</i>	638
<i>Acceleration</i>	638
<i>Acceleration of gravitation</i>	2193
<i>Acceleration reference frame</i>	639
<i>Accelerator</i>	640
<i>Accelerometer</i>	642 , 3138
<i>Acceptor</i>	1520
<i>Acceptor ionization energy</i>	1520
<i>Access time</i>	1144
<i>Accessible states</i>	667
<i>Accidental degeneracy</i>	2711
<i>Accidentally spherical tops</i>	2711
<i>Accommodation</i>	4486
<i>Accumulator ; Secondary cell ; Storage battery</i>	4180
<i>Accuracy</i>	3646
<i>Achromatic lens</i>	2563
<i>Achromatic prism</i>	2564
<i>Achromatic system</i>	2563
<i>Acclinic line</i>	3185
<i>Acorn tube</i>	4569

<i>Acoustic box</i>	2263
<i>Acoustic feedback</i>	4740
<i>Acoustic impedance</i>	2264
<i>Acoustic load</i>	4749
<i>Acoustic resonance</i>	2262
<i>Acoustical amplifier</i>	2262
<i>Actinium ; Ac</i>	4643
<i>Actinium series</i>	4643
<i>Actinoid series ; Actinoid elements</i>	4644
<i>Actinometry</i>	925
<i>Action</i>	1309
<i>Action at a distance</i>	3398
<i>Action at a distance force</i>	3398
<i>Action of heat</i>	4318
<i>Activation</i>	2099
<i>Activation analysis</i>	2099
<i>Activation cathode</i>	4588
<i>Activation energy</i>	2104
<i>Activation products</i>	2105
<i>Activator</i>	2098 , 4589
<i>Active transducer</i>	1243
<i>Activity</i>	2105
<i>Adair method</i>	300
<i>Adder</i>	646
<i>Addition of velocity</i>	2965
<i>Addition theorem of spherical harmonics</i>	2899

<i>Address</i>	1284
<i>Adherence ; Adhesion</i>	1905
<i>Adhesion ; Adhesive force</i>	1906
<i>Adiabatic change</i>	3312
<i>Adiabatic change of ideal gas</i>	2902
<i>Adiabatic compression</i>	3312
<i>Adiabatic demagnetization</i>	3309 , 3311
<i>Adiabatic demagnetization installation</i>	3310
<i>Adiabatic expansion</i>	3312
<i>Adiabatic process</i>	3311
<i>Adiabatic process of gas</i>	2538
<i>Adiabatic wall</i>	3312
<i>Adjacent channel</i>	2069
<i>Adjacent channel interference</i>	4530
<i>Adjust to gravity anomaly</i>	2207
<i>Adjustable compensating condenser</i>	669
<i>Adjustable condenser</i>	669
<i>Adjustable resistor</i>	669
<i>Admittance</i>	4555
<i>Adsorption</i>	1373
<i>Advance of perihelion of planets</i>	1270
<i>Advanced gas cooled reactor</i>	2684
<i>Aefred Kastler</i>	656
<i>Aeolian tone</i>	2272
<i>Aero potential</i>	4099
<i>Aerodromometer</i>	2965

<i>Aerodynamic coefficient</i>	2548
<i>Aerodynamic drag</i>	2522
<i>Aerodynamic noise</i>	1809
<i>Aerodynamics</i>	2522
<i>Aero-elasticity</i>	1811
<i>Aerometeorography</i>	2548
<i>Aerometer</i>	2541
<i>Aeronomy</i>	2685
<i>Aeropause</i>	104
<i>Aero-thermoelasticity</i>	1811
<i>Aether</i>	623
<i>Aether hypothesis</i>	624
<i>Affine connection</i>	846
<i>Affinity</i>	4609
<i>After-burner</i>	1988
<i>After flow</i>	4691
<i>After glow</i>	4691
<i>Aftercooling</i>	1989
<i>After heat</i>	4691
<i>Age hardening</i>	2431
<i>Age of the earth</i>	1088
<i>Aging of metal</i>	1874
<i>Agonic line</i>	3184
<i>Aggregating light lens</i>	4175
<i>Aggregating light mirror</i>	4173
<i>Aiming error</i>	4148

<i>Air</i>	1803
<i>Air cell</i>	1810
<i>Air choke</i>	1802
<i>Air compressor</i>	1812
<i>Air condenser</i>	1811
<i>Air conditioner</i>	1349
<i>Air density</i>	1806
<i>Air diffraction</i>	1812
<i>Air diffusion</i>	1812
<i>Air distance</i>	1803
<i>Air duct</i>	1809
<i>Air expansion</i>	1812
<i>Air insulation</i>	1810
<i>Air line spectrum</i>	1811
<i>Air mass</i>	2525
<i>Air pump</i>	1809 , 1810
<i>Air resistance</i>	1807
<i>Air river</i>	2518
<i>Air sampler</i>	1807
<i>Air sampling</i>	1807
<i>Air ship</i>	2276
<i>Air shower</i>	1807
<i>Air speed</i>	1812
<i>Air speed meter</i>	1812
<i>Air thermometer</i>	1811
<i>Air volume</i>	1812

<i>Air volume displacement</i>	2817
<i>Air wedge</i>	1810
<i>Air weight</i>	1809
<i>Air-cooled transformer</i>	2518
<i>Air-cooled tube</i>	2518
<i>Air-core</i>	1807
<i>Air-damped</i>	1810
<i>Air-flow</i>	2520
<i>Airglow</i>	2516
<i>Air-intake heater</i>	1375
<i>Airplane ; Aeroplane</i>	2277
<i>Airplane flutter</i>	330
<i>Airy disc</i>	1277
<i>Alarm-signal</i>	3040
<i>Albedo</i>	330
<i>Albert Abraham Michelson</i>	4796
<i>Albert Einstein</i>	3581
<i>Alcohol thermometer</i>	2649
<i>Alexander Mikhailovich Prokhorov</i>	62
<i>Alfvén speed</i>	1501
<i>Alfvén wave</i>	1500
<i>Alfvén-Mach number</i>	1501
<i>Alkali metal</i>	4999
<i>Alkali-like spectra</i>	4932
<i>Alkaline battery</i>	4999
<i>Alkaline earth</i>	4999

<i>Alkaline storage battery</i>	4866
<i>All pass network</i>	970
<i>Allobar</i>	2908
<i>Allotrope</i>	1040
<i>Allowable voltage</i>	2371
<i>Allowance</i>	2370
<i>Alloy</i>	1058
<i>Alloy resistance</i>	1061
<i>Alloy transistor</i>	1061
<i>Alloy-junction transistor</i>	1060
<i>All-wave antenna</i>	965
<i>All-wave receiver</i>	965
<i>Alpha decay</i>	1888
<i>Alpha emitter</i>	1888
<i>Alpha particles</i>	1889
<i>Alpha ray ; α-ray</i>	1888
<i>Alpha-neutron reaction</i>	1887
<i>Alpha-proton reaction</i>	1887
<i>Alpha-ray spectrometer</i>	1888
<i>Alternating component</i>	845
<i>Alternating current</i>	831
<i>Alternating current circuit</i>	836
<i>Alternating current motor</i>	833
<i>Alternating current source</i>	836
<i>Alternating current system</i>	829
<i>Alternating electromotive force</i>	845

<i>Alternating magnetic field</i>	846
<i>Alternation</i>	845
<i>Altitude</i>	1073 , 2678
<i>Altitude and pressure</i>	2678
<i>Altitude and temperature</i>	2678
<i>Alumel</i>	4866
<i>Aluminium-backed phosphor</i>	4801
<i>Aluminium-coated mirror</i>	4531
<i>A.M. detector</i>	4485
<i>A.M. radio</i>	4482
<i>A.M. transmitter</i>	4484
<i>Amalgam</i>	1444
<i>Amalgamate</i>	1444
<i>Amalgamation of zinc</i>	1444
<i>Amateur band</i>	3619
<i>Amateur wavelength</i>	3618
<i>Amber</i>	3218
<i>Ambient light</i>	647
<i>Ambipolar diffusion</i>	1510
<i>Ambroin</i>	2710
<i>Ambrōin cement</i>	2710
<i>Amedeo Avogadro</i>	1499
<i>American Atomic Energy Commission</i>	2154
<i>American wire gauge</i>	2154
<i>Ammeter</i>	1153
<i>Amorphous</i>	1922 , 3175