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DICTIONARY OF GENERAL
PHYSICS

IN SIX LANGUAGES

ENGLISH/AMERICAN, FRENCH, SPANISH, ITALIAN
DUTCH AND GERMAN

COMPILED AND ARRANGED ON
AN ENGLISH ALPHABETICAL BASE BY

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PUBLISHER'S NOTE

The advance of technical sciences has been so revolutionary in the last decade that most existing technical dictionaries are in many respects obsolete. Moreover, science becomes more and more international, so that the need grows for not merely bilingual and trilingual dictionaries but for multilingual ones.

To meet this need, Elsevier have planned a series of polyglot technical dictionaries relating to special fields of science and industry. They are being edited under authoritative auspices and are able to draw upon the rich and extensive sources of knowledge with which the publishers are in touch, both in Europe and America, as well as on their wide experience of the most complicated forms of documentation.

In planning this dictionary the author and publishers have been guided by certain principles proposed by the United Nations Educational, Scientific and Cultural Organization (UNESCO). The aim is to ensure that each dictionary produced according to these principles will fit into place in a pattern which, it is hoped, may, with the help also of the non governmental organizations specialized in the different fields, progressively extend over all interrelated fields of science and technology and cover all necessary languages.

Extensive typographical experimentation has shown that the system of arranging corresponding words in the several languages horizontally is the most suitable. Languages have been arranged in Anglo-Saxon, Latin and Germanic groups.

There is, for each language, an alphabetical list of words, referring to the corresponding numbers in the basic table. These lists have also been grouped alphabetically, for easy reference.

The system of thumb-indexing adopted enables one to find any language at once, and the ribbon attached is useful for retaining one's place in the most frequently consulted section.

Finally the flexible binding, smooth paper and handy size combine to produce, it is hoped, an enjoyable reference book.

PREFACE

When this Dictionary of Physics was being compiled it soon became apparent that it would be impossible to include all the terms referring to the subject. This would have resulted in a most unwieldy book and the author felt obliged to restrict himself to the main definitions of the various branches of physics, from which a host of derived terms has been formed. The International Dictionary of Physics, published by the Van Nostrand Publishing Company of New York has been an excellent guide.

The author has received valuable help from many people both at home and abroad. Special thanks are due to Messrs. De Jong, Van der Weijden, Scholz and Domingo Barragán of the N.V. Philips' Gloeilampenfabrieken Translation Office and to the professors and assistants of the Istituto di Fisica dell'Università di Bologna.

Terms which occur in the author's earlier dictionaries are not repeated as a rule. The author gratefully acknowledges the invaluable assistance of his wife, who, as on past occasions, prepared the text and corrected many of the proofs.

March, 1962

W. E. CLASON

ABBREVIATIONS

| | |
|-------------|-------------------------|
| <i>ac</i> | acoustics |
| <i>adj</i> | adjective |
| <i>adv</i> | adverb |
| <i>cry</i> | crystallography |
| <i>ele</i> | electricity |
| <i>f</i> | feminine |
| <i>GB</i> | British English |
| <i>gen</i> | general |
| <i>m</i> | masculine |
| <i>magn</i> | magnetism |
| <i>mec</i> | mechanics |
| <i>n</i> | neuter |
| <i>nucl</i> | nucleonics |
| <i>o</i> | obsolete |
| <i>opt</i> | optics |
| <i>phc</i> | physical chemistry |
| <i>pl</i> | plural |
| <i>rad</i> | radiation |
| <i>s</i> | noun, substantive |
| <i>sl</i> | slang |
| <i>spe</i> | spectroscopy |
| <i>the</i> | thermodynamics |
| <i>US</i> | English, American usage |
| <i>v</i> | verb |

LANGUAGE INDICATIONS

| | |
|----|------------|
| D | Deutsch |
| E | Español |
| F | Français |
| I | Italiano |
| NL | Nederlands |

BASIC TABLE ENGLISH/AMERICAN

| | | |
|----|---|---|
| 1 | Abbe condenser | Abbe condenser |
| 2 | Abbe number | Abbe number |
| 3 | Abbe sine condition | Abbe sine condition |
| 4 | Abbe theory of the resolution of a microscope | Abbe theory of the resolution of a microscope |
| 5 | Abel equation | Abel equation |
| 6 | aberration of light | aberration of light |
| 7 | Abney effect | Abney effect |
| 8 | Abney mounting | Abney mounting |
| 9 | absorption spectroscopy | absorption spectroscopy |
| 10 | abscissa | abscissa |

The horizontal coordinate of a point in a two-dimensional system, commonly rectangular Cartesian, and usually designated by x .

A method for mounting a grating, gratings, and on a Rowland circle and moving only the slit to observe different parts of the spectrum.

Spectrophotometry employing continuous spectral sources, but with various narrow band filters placed in the beam of light, under which condition the transmittance or reflectance of the sample is measured.

According to Bradley, the apparent displacement of a star due to the motion of the earth in its orbit.

where k is the acceleration of gravity.

$$v(x) = \frac{1}{\sqrt{2k}} \sqrt{\frac{1}{2} - x^2}$$

When a particle falls on a smooth curve, $x = x_0$ in a vertical plane from $x = x_0$ to $x = x_0$, the time of descent is

| No. | English <i>GB and US</i> | Subject | Definition |
|-----|---|---------|---|
| 1 | Abbe condenser | opt | A compound lens used for directing light through the object of a compound microscope. |
| 2 | Abbe number | opt | The reciprocal of the dispersive power of a material. |
| 3 | Abbe sine condition | opt | The relationship $ny \sin \theta = n'y' \sin \theta'$, where n, n' are indices of refraction, y, y' are distances from optical axis, and θ, θ' are angles light rays make with the optical axis. |
| 4 | Abbe theory of the resolution of a microscope | opt | A theory relating the resolution of the instrument to the wavelength of the light and the aperture of the instrument. |
| 5 | Abel equation | mec | <p>When a particle falls on a smooth curve, $s = s(z)$ in a vertical plane from $z = z_0$ to $z = z$, the time of descent is</p> $t(z) = \frac{1}{\sqrt{2g}} \int_{z_0}^z \frac{s'(z)}{\sqrt{z_0 - z}} dz$ <p>where g is the acceleration of gravity.</p> |
| 6 | aberration of light | opt | According to Bradley, the apparent displacement of a star due to the motion of the earth in its orbit. |
| 7 | Abney effect | opt | A shift in hue which is the result of a variation in purity and, therefore, in saturation. |
| 8 | Abney mounting | spe | A method for mounting a grating, plateholder and slit on a Rowland circle and moving only the slit to observe different parts of the spectrum. |
| 9 | abridged spectrophotometry | spe | Spectrophotometry employing continuous spectra sources, but with various narrow band filters placed in the beam of light, under which condition the transmittance or reflectance of the sample is measured. |
| 10 | abscissa | gen | The horizontal coordinate of a point in a two-dimensional system, commonly rectangular Cartesian, and usually designated by x . |

| Français <i>French</i> | Español <i>Spanish</i> | Italiano <i>Italian</i> | Nederlands <i>Dutch</i> | Deutsch <i>German</i> | No. |
|---|---|---|---|---|------------|
| condenseur <i>m</i> d'Abbe | condensador <i>m</i> de Abbe | condensatore <i>m</i> di Abbe | abbecondensor <i>m</i> | Abbe- Kondensor <i>m</i> | 1 |
| nombre <i>m</i> d'Abbe | número <i>m</i> de Abbe | numero <i>m</i> di Abbe | getal <i>n</i> van Abbe | Abbesche Zahl <i>f</i> | 2 |
| condition <i>f</i> des sines d'Abbe | condición <i>f</i> de los senos de Abbe | condizione <i>f</i> dei seni di Abbe | sinusvoor- waarde <i>f</i> van Abbe | Abbesche Sinus- bedingung <i>f</i> | 3 |
| théorie <i>f</i> du pouvoir séparateur du microscope d'Abbe | teoría <i>f</i> del poder de resolución del microscopio de Abbe | teoria <i>f</i> del potere separatore del microscopio di Abbe | abbetheorie <i>f</i> voor het scheidend vermogen van een microscoop | Abbesche Theorie <i>f</i> für das Auflö- sungs- vermögen eines Mikroskops | 4 |
| équation <i>f</i> d'Abel | ecuación <i>f</i> de Abel | equazione <i>f</i> di Abel | abel- vergelijking <i>f</i> | Abelsche Gleichung <i>f</i> | 5 |
| aberration <i>f</i> de la lumière | aberración <i>f</i> de la luz | aberrazione <i>f</i> della luce | aberratie <i>f</i> van het licht | Aberration <i>f</i> des Lichtes | 6 |
| effet <i>m</i> Abney | efecto <i>m</i> Abney | effetto <i>m</i> Abney | abneyeffect <i>n</i> | Abney-Effekt <i>m</i> | 7 |
| montage <i>m</i> d'Abney | montaje <i>m</i> de Abney | montaggio <i>m</i> di Abney | abney- opstelling <i>f</i> | Anordnung <i>f</i> nach Abney | 8 |
| spectrophoto- métrie <i>f</i> réduite | espectrofoto- metría <i>f</i> reducida | spettrofoto- metria <i>f</i> ridotta | grove spectro- fotometrie <i>f</i> | grobe Spektral- photometrie <i>f</i> | 9 |
| abscisse <i>f</i> | abscisa <i>f</i> | ascissa <i>f</i> | abscis <i>f</i> | Abszisse <i>f</i> | 10 |

| No. | English <i>GB and US</i> | Subject | Definition |
|-----|------------------------------|-------------|--|
| 11 | absolute boiling point | the | The boiling point on the absolute scale, numerically equal to the boiling point in degrees centigrade plus 273.16°. |
| 12 | absolute concentration | gen/ phc | The quantity of a substance, or form of energy or other entity that exists in a unit volume, expressed in mass per unit volume (ergs per cubic centimeter), or number of particles (as of atoms, hydrogen-ions, etc.) per unit volume. |
| 13 | absolute density | mec | Mass per unit volume, understood to be expressed in grams per cubic centimeter when no units are specified. |
| 14 | absolute future of an event | opt | All events which could be reached by a signal emitted at the event and moving with velocity less than or equal to that of light in a vacuum. |
| 15 | absolute humidity | phc | The mass of water vapor in a specified volume. |
| 16 | absolute luminance threshold | opt | The minimum luminance which can be discriminated by the fully dark-adapted eye. |
| 17 | absolute luminosity curve | opt | A graphical relationship between wavelength of light and the luminous efficiency of radiant flux, expressed in lumens per watt. |
| 18 | absolute past of an event | opt | All events from which a signal, moving with velocity less than or equal to that of light in a vacuum, could be emitted to reach the event in question. |
| 19 | absolute permeability | magn | The magnetic flux density divided by the magnetic field strength. |
| 20 | absolute pressure | mec | The term applied to the true pressure of a substance or system, commonly to distinguish it from partial pressure, gage, etc. |
| 21 | absolute purity threshold | opt | The minimum purity perceptible in contrast with white, by the light-adapted eye. |

| Français <i>French</i> | Español <i>Spanish</i> | Italiano <i>Italian</i> | Nederlands <i>Dutch</i> | Deutsch <i>German</i> | No. |
|---|---|--|---|--|------------|
| point <i>m</i> absolu d'ébullition | temperatura <i>f</i> absoluta de ebullición | punto <i>m</i> assoluto di ebollizione | absoluut kookpunt <i>n</i> | absoluter Siedepunkt <i>m</i> | 11 |
| concentration <i>f</i> absolue | concentración <i>f</i> absoluta | concentrazione <i>f</i> assoluta | absolute concentratie <i>f</i> | absolute Konzentration <i>f</i> | 12 |
| densité <i>f</i> absolue | densidad <i>f</i> absoluta | densità <i>f</i> assoluta | absolute dichtheid <i>f</i> | absolute Dichte <i>f</i> | 13 |
| futur <i>m</i> absolu d'un événement | futuro <i>m</i> absoluto de un evento | futuro <i>m</i> assoluto di un evento | absolute toekomst <i>f</i> van een voorval | absolute Zukunft <i>f</i> eines Ereignisses | 14 |
| humidité <i>f</i> absolue | humedad <i>f</i> absoluta | umidità <i>f</i> assoluta | absolute vochtigheid <i>f</i> | absolute Feuchtigkeit <i>f</i> | 15 |
| seuil <i>m</i> de luminance absolue | umbral <i>m</i> de luminancia absoluta | soglia <i>f</i> di luminanza assoluta | absolute luminantie- drempel <i>m</i> | absolute Helligkeits- schwelle <i>f</i> | 16 |
| courbe <i>f</i> de luminosité absolue | curva <i>f</i> de luminosidad absoluta | curva <i>f</i> di luminosità assoluta | absolute helderheids- kromme <i>f</i> | absolute Helligkeits- kurve <i>f</i> | 17 |
| passé <i>m</i> absolu d'un événement | pasado <i>m</i> absoluto de un evento | passato <i>m</i> assoluto di un evento | absoluut verleden <i>n</i> van een voorval | absolute Vergangenheit <i>f</i> eines Ereignisses | 18 |
| perméabilité <i>f</i> absolue | permeabilidad <i>f</i> absoluta | permeabilità <i>f</i> assoluta | absolute permeabiliteit <i>f</i> | absolute Permeabilität <i>f</i> | 19 |
| pression <i>f</i> absolue | presión <i>f</i> absoluta | pressione <i>f</i> assoluta | absolute druk <i>m</i> | absoluter Druck <i>m</i> | 20 |
| seuil <i>m</i> de pureté absolue | umbral <i>m</i> de pureza absoluta | soglia <i>f</i> di purezza assoluta | absolute kleur- zuiverheids- drempel <i>m</i> | absolute Farb- reinheits- schwelle <i>f</i> | 21 |

| No. | English <i>GB and US</i> | Subject | Definition |
|-----|--------------------------------------|---------|---|
| 22 | absolute space-time | mec | A fundamental concept underlying Newtonian mechanics is that there exists a preferred reference system to which all measurements should be referred. This is known as absolute space-time. |
| 23 | absolute temperature | the | a) The temperature measured on the thermodynamic scale. b) The temperature measured from the absolute zero (-273.16°C). |
| 24 | absolute temperature scale | the | Any temperature scale whose zero is the absolute zero of temperature, -273.16°C or -459.7°F . |
| 25 | absolute zero | the | The temperature at which a system would undergo a reversible isothermal process without transfer of heat. |
| 26 | absorbance | opt | The common logarithm of the absorptance. |
| 27 | absorbancy | opt | The common logarithm of the reciprocal of the transmittancy. |
| 28 | absorbent | mec | A substance, material, or solution able to imbibe, or attract into its mass, or trap liquids or gases, commonly to remove them from a given medium or region. |
| 29 | absorber | mec | In general, a medium, substance or functional part that takes up matter or energy. |
| 30 | absorbing duct, lined duct, silencer | ac | Tubes used in ventilator and exhaust systems to provide a high degree of attenuation for audiofrequency waves while offering low resistance to continuous flow of air. |
| 31 | absorptance, absorption factor | rad | In any absorbing system, especially in the case of absorption of radiation, the ratio of the total unabsorbed radiation to the total incident radiation, or to the total radiation transmitted in the absence of the absorbing substance. |
| 32 | absorption | rad | The process whereby the total number of particles emerging from a body of matter is reduced relative to the number entering, as a result of interaction of the particles with the body. |
| 33 | absorption band | spe | A region of the absorption spectrum in which the absorptivity passes through a maximum or inflection. |

| Français <i>French</i> | Español <i>Spanish</i> | Italiano <i>Italian</i> | Nederlands <i>Dutch</i> | Deutsch <i>German</i> | No. |
|---|---|--|---|--|-----|
| espace-temps <i>m</i> absolu | espacio-tiempo <i>m</i> absoluto | spazio-tempo <i>m</i> assoluto | absolute ruimte-tijd <i>m</i> | absolute Raum-Zeit <i>f</i> | 22 |
| température <i>f</i> absolue | temperatura <i>f</i> absoluta | temperatura <i>f</i> assoluta | absolute temperatuur <i>f</i> | absolute Temperatur <i>f</i> | 23 |
| échelle <i>f</i> de température absolue | escala <i>f</i> de temperatura absoluta | scala <i>f</i> di temperatura assoluta | absolute temperatuur- schaal <i>f</i> | absolute Temperatur- skala <i>f</i> | 24 |
| zéro <i>m</i> absolu | cero <i>m</i> absoluto | zero <i>m</i> assoluto | absoluut nulpunt <i>n</i> | absoluter Nullpunkt <i>m</i> | 25 |
| absorbance <i>f</i> | absorbencia <i>f</i> | assorbenza <i>f</i> | absorbantie <i>f</i> | Absorbanz <i>f</i> | 26 |
| degré <i>m</i> d'absorption | grado <i>m</i> de absorción | grado <i>m</i> di assorbimento | absorptiegraad <i>m</i> | Absorptions- grad <i>m</i> , Reinabsorp- tionsgrad <i>m</i> | 27 |
| absorbant <i>m</i> | absorbente <i>m</i> | assorbente <i>m</i> | absorbens <i>n</i> , absorbeer- middel <i>n</i> | Absorbens <i>n</i> | 28 |
| absorbeur <i>m</i> | absorbedor <i>m</i> | assorbitore <i>m</i> | absorptiemiddel <i>n</i> | Absorber <i>m</i> | 29 |
| silencieux <i>m</i> | silenciador <i>m</i> | marmitta <i>f</i> , tubo <i>m</i> silenziatore | geluiddemper <i>m</i> | Schall- dämpfer <i>m</i> | 30 |
| facteur <i>m</i> d'absorption | factor <i>m</i> de absorción | fattore <i>m</i> di assorbimento | absorptie- factor <i>m</i> | Absorptions- faktor <i>m</i> | 31 |
| absorption <i>f</i> | absorción <i>f</i> | assorbimento <i>m</i> | absorptie <i>f</i> | Absorption <i>f</i> | 32 |
| bande <i>f</i> d'absorption | banda <i>f</i> de absorción | banda <i>f</i> di assorbimento | absorptieband <i>m</i> | Absorptions- band <i>n</i> | 33 |

| No. | English GB and US | Subject | Definition |
|-----|---|---------|--|
| 34 | absorption coefficient, Bunsen coefficient | phc | The volume of gas under standard conditions of temperature and pressure which is absorbed by a unit volume of gas solution. |
| 35 | absorption curve | rad | The graphical relationship between thickness of absorbing material and intensity of transmitted radiation. |
| 36 | absorption discontinuity | rad | A discontinuity appearing in the absorption coefficient of a substance for a particular type of radiation when expressed as a function of the energy (or frequency or wavelength) of this radiation. |
| 37 | absorption edge | spe | The wavelength corresponding to an abrupt discontinuity in the intensity of an absorption spectrum, notably an x-ray absorption spectrum, which gives the appearance of a sharp edge in the photograph of such a spectrum. |
| 38 | absorption index | opt | In traversing perpendicularly a thin layer of absorbing material of thickness d , the amplitude of vibration of light of wavelength λ decreases in the ratio $1: e^{-2\pi a \frac{d}{\lambda}}$ where a is the absorption index. |
| 39 | absorption spectrum | spe | The spectrum resulting when the source is continuous radiation passed through an absorbing medium, commonly dark at some of those wavelengths for which the emission spectrum of the medium would be bright. |
| 40 | acceleration | mec | The time rate of change of velocity. |
| 41 | acceleration of gravity | mec | The ratio of the weight of a material particle to its mass at any specific point in an approximately uniform gravitational field. |
| 42 | accidental error | gen | In repeated observations of a quantity which is in principle constant, it is in general found that slightly different values are obtained. |

| Français <i>French</i> | Español <i>Spanish</i> | Italiano <i>Italian</i> | Nederlands <i>Dutch</i> | Deutsch <i>German</i> | No. |
|---|---|---|---|---|------------|
| coefficient <i>m</i> d'absorption de Bunsen | coeficiente <i>m</i> de absorción de Bunsen | coefficiente <i>m</i> di assorbimento di Bunsen | absorptie- coëfficiënt <i>m</i> van Bunsen | Bunsenscher Absorptions- koeffizient <i>m</i> | 34 |
| courbe <i>f</i> d'absorption | curva <i>f</i> de absorción | curva <i>f</i> di assorbimento | absorptie- kromme <i>f</i> | Absorptions- kurve <i>f</i> | 35 |
| discontinuité <i>f</i> d'absorption | discontinuidad <i>f</i> de absorción | discontinuità <i>f</i> di assorbimento | absorptiedis- continuïteit <i>f</i> , absorptie- sprong <i>m</i> | Absorptions- sprung <i>m</i> | 36 |
| limite <i>f</i> d'absorption | límite <i>m</i> de absorción | limite <i>m</i> di assorbimento | absorptiekant <i>m</i> , absorptierand <i>m</i> | Absorptions- kante <i>f</i> | 37 |
| indice <i>m</i> d'absorption | índice <i>m</i> de absorción | indice <i>m</i> di assorbimento | absorptie- index <i>m</i> | Absorptions- index <i>m</i> | 38 |
| spectre <i>m</i> d'absorption | espectro <i>m</i> de absorción | spettro <i>m</i> di assorbimento | absorptie- spectrum <i>n</i> | Absorptions- spektrum <i>n</i> | 39 |
| accélération <i>f</i> | aceleración <i>f</i> | accelerazione <i>f</i> | acceleratie <i>f</i> , versnelling <i>f</i> | Beschleunigung <i>f</i> | 40 |
| accélération <i>f</i> de la pesanteur | aceleración <i>f</i> de la gravedad | accelerazione <i>f</i> della gravità | versnelling <i>f</i> van de zwaartekracht | Erdbeschleu- nigung <i>f</i> , Fallbeschleu- nigung <i>f</i> , Schwere- beschleuni- gung <i>f</i> | 41 |
| erreur <i>f</i> accidentelle | error <i>m</i> accidental | errore <i>m</i> occasionale | toevallige fout <i>f</i> | zufälliger Fehler <i>m</i> | 42 |

| No. | English GB and US | Subject | Definition |
|-----|--------------------------------------|---------|---|
| 43 | accommodation coefficient | mec | <p>A quantity defined by the equation:</p> $a = \frac{T_3 - T_1}{T_2 - T_1}$ <p>where T_1 is the temperature of gas molecules striking a surface which is at temperature T_2 and T_3 is the temperature of the gas molecules as they leave the surface, a is the accommodation coefficient.</p> |
| 44 | accumulation coefficient | phc | A term sometimes used specifically to denote the rate of increase in the concentration of adsorbed molecules upon a surface, in relation to the concentration of that molecular species in the phase in contact with the surface. |
| 45 | accumulation point | mec | One of a set such that any neighborhood of this point, no matter how small, contains a member of the set. |
| 46 | achromat, achromatic lens | opt | A compound lens corrected so as to have the same focal length for two or more different wavelengths. |
| 47 | achromatic | opt | <p>a) Free from hue.</p> <p>b) Transmitting light without showing its constituent colors, or separating it into them.</p> |
| 48 | achromatic combination | opt | If reversed crown and flint prisms are made of such angle that the angles of dispersion between any two different wavelengths of light are alike but reversed in direction, then these two colors will not be separated and all colors lying between them will be separated little if any from each other. |
| 49 | achromatic locus | opt | Chromaticities which may be acceptable reference standards under circumstances of common occurrence are represented in a chromaticity diagram by points in a region which may be called the achromatic locus. |
| 50 | achromatic point | opt | The point on a chromaticity diagram that represents an achromatic stimulus. |
| 51 | achromatic stimulus | opt | <p>a) A visual stimulus that is capable of exciting a color sensation of no hue.</p> <p>b) In practice, an arbitrarily-chosen chromaticity, such as that of the prevailing illumination.</p> |

| Français <i>French</i> | Español <i>Spanish</i> | Italiano <i>Italian</i> | Nederlands <i>Dutch</i> | Deutsch <i>German</i> | No. |
|--|--|---|--|---|-----|
| coefficient <i>m</i> d'accommodation | coeficiente <i>m</i> de acomodación | coefficiente <i>m</i> di accomodamento | accommodatie- coëfficiënt <i>m</i> | Akkommo- dations- koeffizient <i>m</i> | 43 |
| coefficient <i>m</i> d'accumulation | coeficiente <i>m</i> de acumulación | coefficiente <i>m</i> di accumulazione | aggregatie- coëfficiënt <i>m</i> | Aggregations- koeffizient <i>m</i> | 44 |
| point <i>m</i> d'accumulation | punto <i>m</i> de acumulación | punto <i>m</i> di accumulazione | accumulatie- punt <i>n</i> , verzamelpunt <i>n</i> | Häufungs- stelle <i>f</i> | 45 |
| objectif <i>m</i> achromatique | lente <i>f</i> acromática, objetivo <i>m</i> acromático | obiettivo <i>m</i> acromatico | achromatische lens <i>f</i> | Achromat <i>m</i> | 46 |
| achromatique <i>adj</i> | acromático <i>adj</i> | acromatico <i>adj</i> | achromatisch <i>adj</i> | achromatisch <i>adj</i> , unbunt <i>adj</i> | 47 |
| combinaison <i>f</i> achromatique | combinación <i>f</i> acromática | combinazione <i>f</i> acromatica | achromatische combinatie <i>f</i> | achromatische Kombination <i>f</i> | 48 |
| lieu <i>m</i> des couleurs sans tonalités achromatiques | lugar <i>m</i> acromático | luogo <i>m</i> acromatico | achromatisch gebied <i>n</i> | achromatisches Gebiet <i>n</i> , Unbunt- Gebiet <i>n</i> | 49 |
| point <i>m</i> achromatique | punto <i>m</i> acromático | punto <i>m</i> acromatico | achromatisch punt <i>n</i> | achromatischer Punkt <i>m</i> | 50 |
| excitation <i>f</i> achromatique | estímulo <i>m</i> acromático | stimolo <i>m</i> acromatico | achromatische stimulans <i>m</i> | achromatischer Reiz <i>m</i> | 51 |

| No. | English GB and US | Subject | Definition |
|-----|--|---------|--|
| 52 | achromaticity, achromatism | opt | The state or quality of being achromatic. |
| 53 | acoustic conductivity | ac | The ratio of the volume current through an orifice to the difference in velocity potential between the two sides of the orifice. |
| 54 | acoustic dispersion | ac | The separation of a complex sound wave into its various frequency components, usually by a variation with frequency of the wave velocity of the medium. |
| 55 | acoustic dissipation element | ac | An element which brings about dissipation of some or all of the acoustic energy flowing through it. |
| 56 | acoustic energy dissipation rate | ac | The rate at which the energy in a sound wave is dissipated into heat energy. |
| 57 | acoustic impedance | ac | The acoustic impedance of a sound medium on a given surface lying in a wave front is the complex quotient of the sound pressure on that surface by the flux through the surface. |
| 58 | acoustic inertance, acoustic mass | ac | The quantity which, when multiplied by 2π times the frequency, gives the acoustic reactance associated with the highest energy of the medium. |
| 59 | acoustic rarefaction | ac | The local decrease in density due to a passing sound wave. |
| 60 | acoustic reactance | ac | The imaginary component of the acoustic impedance. |
| 61 | acoustic resistance | ac | Acoustic resistance is defined as the real component of acoustic impedance, the commonly used unit being the acoustic ohm. |
| 62 | acoustic responsiveness | ac | The reciprocal of the acoustic resistance. |
| 63 | acoustic scattering | ac | The irregular and diffuse reflection or diffraction of sound in many directions. |