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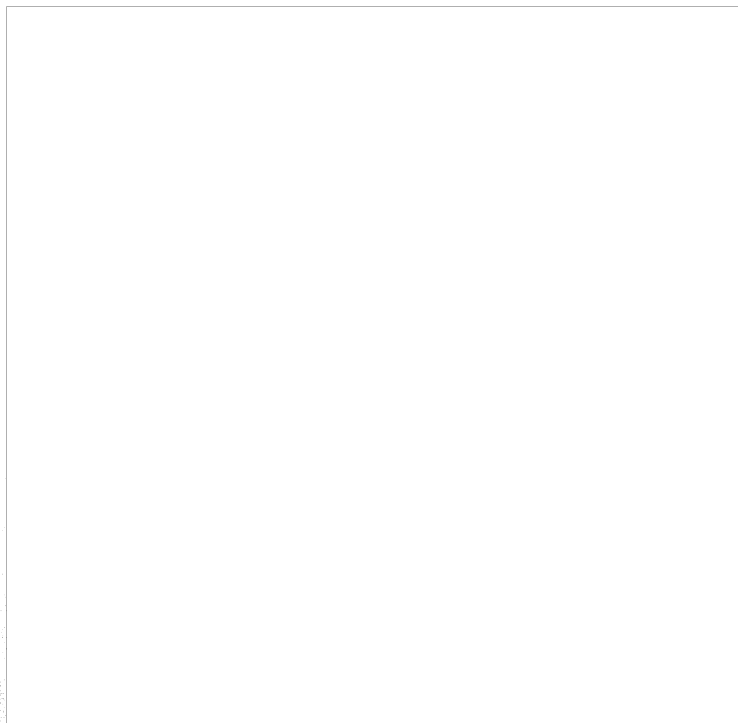
HANDBOOK OF STANDARD LETTER SYMBOLS

Compiled by:

Professor M. M. Izhevskiy

Engineer S. I. Korshunov

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USSR

ALL UNION COMMITTEE OF STANDARDS OF THE COUNCIL OF
MINISTERS USSR

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INTRODUCTION

The present handbook includes only those terms (and phraseological expressions) comprising letter denotations, which are given in specific standards of designations and dimensional units, in effect on 1 October 1945; as a rule the concept definitions contained therein are not included; an exception is made in only those instances when these are indispensable for a precise definition of the term itself.

In a number of ruling standards there are contained instructions as to indexing methods, and these are frequently mutually conflicting; recently, however, standards comprising letter denotations have been made to include a number of regulations concerning the indexing proposed by the Committee on Technical Terminology of the Academy of Sciences USSR (standards on basic letter denotations in the theory of mechanisms, construction mechanics, hydromechanics, and others), and consisting essentially of the following:

(1) Indices are used in those instances when the letter denotation of some value must include indications characterizing the specific instance of resorting to the given denotation.

Indices must as a rule comprise no more than three symbols and be placed to the right, at the lower part of the basic denotation letter.

Letter or figure indices in superscribed form are permissible only in exceptional instances.

As underscribed indices there are used:

(a) Arabic numerals -- to designate the ordinal number.

(b) Lower-case letters of the Cyrillic alphabet, corresponding to the initial (in some instances also to other characteristic) letters of the concept designation, the relationship of which is to be indicated by the indices.

(c) Capital letters of the Cyrillic alphabet, and letters of the Latin and Greek alphabets, if these indices are intended to indicate the name of an author, or a relationship with a concept for the denotation of which the corresponding letter of these alphabets has been adopted as the basic letter designation.

(2) The permissible values of a quantity are denoted by the basic letter with index "d" or "dop", or by enclosure in brackets; if the context makes it clear that the denotation relates only to the permissible value, indices and brackets may be omitted.

(3) Substitution of the basic denotation without index or with abbreviated indices, for the adopted denotation with indices, is permissible only when there is no possibility of misconception.

To facilitate its use the handbook is divided into three parts:

I. Terms in alphabetical order with their letter denotation.

II. Designation of terms in order of the letters of Latin, Greek and Cyrillic alphabets, and of specific conventional denotations.

III. Mathematical denotations.

Of these the first part (with necessary explanations) is the basic one, while the second is an auxiliary which facilitates the finding of terms by their letter denotation.

Since some standards give letter denotations not only for definite terms, but also for usual phraseological expressions, the latter are also included in the handbook, and appear in the column bearing the heading "Terms". In the first part, for convenience's sake, the terms and common phraseological expressions consisting of several words are presented not in the usual, conversational sequence of these words, but beginning with substantive, in the nominative case, and all words preceding it appear at the end of the term, the last word of which is followed by a comma (for example: "dynamic coefficient of viscosity" is located in the table under "coefficient of viscosity, dynamic"); thus the comma within the term may separate not only a dependent clause, but also the first words of the term, transferred to the end, in order to facilitate use of the tables.

Different terms, relating to the same concept and having identical denotations, appear as separate items in the handbook (for example: "acceleration of the force of gravity" and "acceleration of free fall", "period" and "period of fluctuation" and so forth).

If the term has synonyms with identical letter denotation, they are separated by a semicolon, and appear with the word sequence unchanged; these synonyms appear in addition as separate items at their proper place by alphabetic order. If the text of the standard gives an extensive designation, a part of which may be

considered as being explanatory this part, as a rule, appears in the column "Terms", within parentheses.

The column "Denotations" contains letters appearing in the standard; if the latter comprises a number of letters (for instance angles $\alpha, \beta, \gamma \dots$), they are placed in consecutive order, followed by dots indicating possible continuation.

Subsection "Basic Denotations" contains those denotations which should be used primarily; "additional denotations" must be resorted to in those instances when use of basic ones may cause confusion of values.

One should bear in mind that the Standard "Denotation of basic, common technological quantities" (GOST 1493 - 42) as well as a number of other standards issued in recent years (on construction mechanics, hydromechanics, theory of mechanisms and others), provide that as additional letter denotations, of the Latin alphabet there may be used lower-case letters in lieu of the capital ones given by the Standard (and vice versa), if the capital letters (or the lower-case ones, respectively) have been already used, and the substitution will not lead to misconceptions.

Some of the Standards contain the provision that specific quantities must be denoted by lower-case letters, which must be taken in consideration on using these Standards.

The column bearing the heading "Explanations" contains such indications as are necessary for elucidation of the concepts.

In the column of "Standards" are shown the numbers and

abbreviated designations of standards which, as a rule, characterize the basic field of application (see list of standards at the end of the handbook) but are not the exact reproduction of the Standard designation.

Denotations in the letter sequence of Latin, Greek and Cyrillic alphabets and of specific conventional denotations of terms are contained in the second part of the handbook, separately for each of the alphabets and in the above-given order.

If the denotation comprises a number of letters, the initial denotations are given with the basic letter, and in the case of subsequent letters reference is made to the first one.

Additional denotations are given in parentheses.

The column bearing the heading "Terms" contains terms and phraseological expressions given in the form consisting of words arranged in sequence usually encountered in technical language.

Within the scope encompassed by each letter the following sequence of denotations order is adhered to:

Capital letters precede lower-case letters.

Letters without indices are given first, with terms having identical denotations being listed in alphabetical order.

Letter denotations containing indices are given in alphabetic order (Cyrillic, Latin, Greek) of first the lower and then the upper indices, following the corresponding letter without an index.

Denotations, consisting of several symbols, are listed in alphabetic order of the first letter (and not of the symbol) and are given after the corresponding single-letter denotation.

Series of denotations, usually consisting of two or three symbols followed by dots, are listed after the single denotations of the first letter of the series; second and third letters of the series are listed in addition at their proper places in the alphabetic order and a reference is made to the first letter of the series (for example: "angles $\alpha, \beta, \gamma \dots$ " are listed following the denotation " α ", and the letters " β " and " γ " are listed among denotations " β " and " γ " with the reference: "see $\alpha, \beta, \gamma \dots$ ").

In the third part of the handbook there are given fundamental mathematical denotations (in accordance with OST 573), which due to their specific nature are not included in the first two parts of the handbook.

PART I

TERMS IN ALPHABETICAL ORDER WITH THEIR LETTER DENOTATIONS

<u>Terms</u>	<u>Denotations</u>		<u>Explanations</u>	<u>No No</u>	<u>Standards</u>
	<u>Basic</u>	<u>Additional</u>			
(1)	(2)	(3)	(4)	(5)	(6)
Azimuth, astronomic	A			OST VKS 7082	Terrestrial magnetism
Azimuth, of geodesic line	A			OST VKS 6345	Geodesy and cartography
Azimuth, true	A			OST VKS 6345	Geodesy and cartography
Azimuth, magnetic	A _m			OST VKS 6345	Geodesy and cartography
				OST VKS 7082	Terrestrial magnetism
Azimuth, back	A'			OST VKS 6345	Geodesy and cartography
Azimuth of planet	A			OST VKS 6203	Astronomy
Activity of developing action of a developer	A		Determined by ratio: of capability of emulsion grains, exposed to	OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
			action of light, to blacken; to their capacity to blacken on action of the developer, independently of their exposure to light.		
Amplitude	A			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Amplitude of oscilla- tion	a			OST VKS 6146	Optics
Amplitude of magnet oscillation, angular	α			OST VKS 7082	Terrestrial magnetism

(1)	(2)	(3)	(4)	(5)	(6)
Anomaly, true	ν			OST VKS 6203	Astronomy
Anomaly, mean	M			OST VKS 6203	Astronomy
Anomaly of acceleration (intensity) of gravi- tation force with re- duction in free air (if required taking into account topo- graphic error)	Δg			OST VKS 6345	Geodesy and cartography
Anomaly, eccentric	E			OST VKS 6203	Astronomy
Anomaly, time, mean	M_0			OST VKS 6203	Astronomy
Argument of latitude	u			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Basis of scale in photography	b			OST VKS 7144	Aerial photography
Base distance of cone	C, c			OST VKS 7530	Conic connections in machine building
Vacuum; evacuation	p_h			OST VKS 6262	Determination of pressure
Valency	n			GOST 1493-42	General technical quantities
Variation in time of elements of terrestrial magnetism	δ		Used, in denoting variation in time of any element of terrestrial magnetism, preceding the quantity (OST 593), for	OST VKS 7082	Terrestrial magnetism

(1)	(2)	(3)	(4)	(5)	(6)
			example: $\delta H, \delta D$ where H -- horizontal component of terrestrial field in- tensity. D -- magnetic deviation		
Variation of compass	Δ			OST VKS 7144	Aerial photography
Vector of Poynting (power per unit of area)	S			GOST 1494-42	Electrotechnics
Quantity for the cal- culation of precession in right ascension	m		$m = \frac{d\psi}{dt} \cos \epsilon - \frac{d\theta}{dt}$ where: ψ' -- lunisolar pre- cession. t -- time ϵ -- inclination of equator plane relative	OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
			to plane of ecliptic.		
			⊙ -- precession from planets.		
Quantity for the calculation of precession in declination	n		$n = \frac{d\psi'}{dt} \sin \epsilon$ wherein: ψ' -- lunisolar precession. ϵ -- inclination of equator plane relative to plane of ecliptic	OST VKS 6203	Astronomy
Magnitude of star, apparent	m			OST VKS 6203	Astronomy
Distance on terrain corresponding to linear	Δ_h^R			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
displacement on aerial photograph, induced by relief, linear					
Magnitude of acceleration (intensity) of force of gravitation, relative to computation surface, theoretical normal	γ_0			OST VKS 6345	Geodesy and cartography
Quantities for reduction of apparent location of planet to the mean, and vice versa (second system)	f, g, G h, H, i f', g', G'			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Apex of angles in photo-triangulation	σ_{ψ}			OST VKS 7144	Aerial photography
Weight	G		With index, if necessary, to specify medium	GOST 2970-45	Hydromechanics
				GOST 1493-42	General technical quantities
				GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
				OST 2932	Theoretical mechanics
				OST VKS 6394	Thermodynamics
Weight, atomic	A			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Weight of aerial navigation equipment	q_a			OST VKS 7144	Aerial photography
Weight of total amount of fuel and oil	q			OST VKS 7144	Aerial photography
Weight of entire airplane in flight	g			OST VKS 7144	Aerial photography
Weight of part, flight	G_a			GOST 1075-41	Hydro-aero_dynamic computations in aircraft building
Weight of volume unit	γ			GOST 1075-41	Hydro-aero_dynamic computations in aircraft building
Weight of link	G			GOST 2899-45	Theory of mechanisms

(1)	(2)	(3)	(4)	(5)	(6)
Weight, molecular	M			GOST 1493-42	General technical quantities
Weight, molecular	μ			OST VKS 6394	Thermodynamics
Weight, volumetric	γ		With index if necessary	GOST 2970-45	Hydromechanics
				GOST 1493-42	General application
Weight, volumetric	γ_{os}	γ		GOST 2971-45	Structural mechanics
Weight, volumetric	γ_o			OST 90054-40	Building constructions
Weight, relative	γ	, d		GOST 2970-45	Hydromechanics
Weight, relative	d	γ		GOST 1493-42	General technical quantities
Weight, relative	γ_{om}			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Weight of empty aircraft	G_{nycm}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Weight of aircraft, flying	G			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Weight of fuel and lubricant	G_{m+c}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Weight, specific	γ		With index when necessary	GOST 2970-45 GOST 1493-42	Hydromechanics General technical quantities
Weight, specific	γ_y			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Weight of photographic equipment (aerial)	qf			OST VKS 7114	Aerial photography
Weight of crew	qe			OST VKS 7114	Aerial photography
Visibility of monochromatic light wave length λ , relative	K_{λ}			OST VKS 6261	Measurement of temperature
Visibility	V			OST VKS 7637	Light measurements
Visibility of monochromatic light	V_{λ}			OST VKS 7637	Light measurements
Visibility, relative	K			OST VKS 7637	Light measurements
Humidity, relative in per cent	ω			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Water displacement of boat, in weight	D			GOST 1075-41	Hydro-aerodynamic com- putations in aircraft construction
Water displacement of float, in weight	d			GOST 1075-41	Hydro-aerodynamic com- putations in aircraft construction
Disturbances of elements a, e, ρ ... of order i relative to disturbing masses	$\delta_i a, \delta_i e,$ $\delta_i \rho \dots$			OST VKS 6203	Astronomy
Susceptibility, magnetic and electric	χ			GOST 1194-42	Electrotechnics
Ascension of planet, right	α			OST VKS 6203	Astronomy

	(1)	(2)	(3)	(4)	(5)	(6)
Time		t	τ		GOST 1193-42	General technical quantities
					OST VKS 6394	Thermodynamics
Time		t			GOST 2970-45	Hydromechanics
					OST 90054-40	Building constructions
					OST 2932	Theoretical mechanics
					GOST 2899-45	Theory of mechanisms
Time		t, τ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Time		t	τ		GOST 2971-45	Construction mechanics

(1)	(2)	(3)	(4)	(5)	(6)
				OST VKS 7158	Measurement of time
Time	T		In dimensional equations	OST VKS 7158	Measurement of time
				OST VKS 5858	Mass, weight, density
Time, universal	T_0			OST VKS 7158	Measurement of time
Time at mean local mid- night, local sidereal	s_0			OST VKS 6203	Astronomy
Time at mean midnight, Greenwich sidereal	S_0			OST VKS 6203	Astronomy
Time, civil (local)	m_c			OST VKS 7158	Measurement of time
Time, Greenwich civil, universal time	T_0			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Time, Greenwich sidereal	S			OST VKS 6203	Astronomy
Time, expended in one approach	T_B			OST VKS 7144	Aerial photography
Time, expended on determination of aeronavigational elements; chronometric timing	T_ω			OST VKS 7144	Aerial photography
Time, expended on laying of one photographic itinerary	T_L			OST VKS 7144	Aerial photography
Time, expended on photographic operations of area	T_S			OST VKS 7144	Aerial photography
Time, sidereal (local)	S, S_{qv}		May be used in lieu of	OST VKS 7158	Measurement of time

(1)	(2)	(3)	(4)	(5)	(6)
			term "Sidereal quasi-true time (local)" when no misconception may result therefrom		
Time, sidereal true (local)	s, s_v			OST VKS 7158	Measurement of time
Time, sidereal quasi-true (local)	s, s_{qv}		The words "quasi-true" may be omitted when this is not apt to lead to a misconception	OST VKS 7158	Measurement of time
Time, sidereal mean Greenwich	S, S_m			OST VKS 7158	Measurement of time
Time, sidereal mean (local)	s, s_m			OST VKS 7158	Measurement of time
Time, true solar (local)	t_{\odot}			OST VKS 7158	Measurement of time

(1)	(2)	(3)	(4)	(5)	(6)
Time, local sidereal	s			OST VKS 6203	Astronomy
Time, universal; Greenwich civil	T_0			OST VKS 6203	Astronomy
Time of climb H	T_H			OST VKS 7144	Aerial photography
Time, required for descent from altitude H to air- field	T_A			OST VKS 7144	Aerial photography
Time of one flight, photo- graphing	T_f			OST VKS 7144	Aerial photography
Time of illumination; ex- posure	t			GOST 2653-44	Sensitometry
Time of illumination, total; total exposure	t_{Σ}			GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Time of illumination of photograph; exposure	t			OST VKS 7144	Aerial photography
Time of first, second and so forth zone, local, civil (zonal)	$T_1, T_2 \dots$			OST VKS 6203	Astronomy
Time of flight of distance D or R	T_D, T_R			OST VKS 7144	Aerial photography
Time, zonal	T_i			OST VKS 7158	Measurement of time
Time of run of sighted terrain point in measurement of ground speed	t_w			OST VKS 7144	Aerial photography
Time of development	t_{np}			GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Time, mean solar Greenwich	M			OST VKS 7158	Measurement of time
Time, mean solar (local)	m			OST VKS 7158	Measurement of time
Time, reckoned from noon, Greenwich mean	M			OST VKS 6203	Astronomy
Time, reckoned from noon, local mean	m			OST VKS 6203	Astronomy
Exposure; time of illumina- tion	t			GOST 2653-44	Sensitometry
Exposure; time of illumina- tion of photograph	t			OST VKS 7144	Aerial photography
Exposure, total; total time of illumination	t_{Σ}			GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Stagger, aerodynamic linear	a		Taken between center of pressure of wings parallel to velocity V	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Expression of arc of terrestrial spheroid, angular	σ			OST VKS 6345	Geodesy and cartography
Expression: $\frac{\tan(45^\circ + 0.5\varphi)}{\tan^2(45^\circ + 0.5\psi)}$	U		Wherein: e -- eccentricity of terrestrial spheroid ψ -- auxiliary angle obtained by means of correlation $\sin \psi = e \sin \varphi$ φ -- geographic latitude	OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
<p>Expression: $\sqrt{1 + e'^2 \cos^2 \varphi}$</p>	V		<p>Wherein: e' -- second eccentricity of meridian of terrestrial spheroid, φ -- geographic lati- tude (astronomic)</p>	OST VKS 6345	Geodesy and cartography
<p>Expression: $\sqrt{1 - e^2 \sin^2 \varphi}$</p>	W		<p>Wherein: e -- eccentricity (first) of meridian of terrestrial spheroid, φ -- geographic latitude (astronomic)</p>	OST VKS 6345	Geodesy and cartography
Height	H, h			GOST 2970-45	Hydromechanics
				OST 90054-40	Building construction

(1)	(2)	(3)	(4)	(5)	(6)
Height; depth	h			GOST 1493-42	General technical quantities
Height	h		For transversal sections and their elements	GOST 90054-40	Building constructions
Height (construction dimensions and their elements)	h, H			GOST 2971-45	Construction mechanics
Height (dimensions of transversal sections and their elements)	h			GOST 2971-45	Construction mechanics
Altitude of airfield above sea level	h_A			GOST VKS 7144	Aerial photography
Height of wave	h			GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
Height of wave in reservoir	h_0			OST VKS 6128	computations in aircraft construction Hydrotechnics
Height of incidence of ray into system	h		Distance from point of incidence of ray on first refractive surface, to optical axis	OST VKS 6145	Optics
Height of incidence of ray at 1st, 2nd k-th refractive surfaces	$h_1, h_2 \dots$ $\dots h_k$			OST VKS 6145	Optics
Height of projections of rough surface	Δ			GOST 2970-45	Hydromechanics

(1)	(2)	(3)	(4)	(5)	(6)
Height of exit of ray from system	h'		Distance from point of exit of ray from last refractive surface to optical axis	OST VKS 6145	Optics
Altitude of horizontal rotation axis of instrument telescope above the ground	i			OST VKS 6345	Geodesy and cartography
Height of reinforced concrete section, useful	h_0			OST 90054-40	Building constructions
Height of conic connection; length of conic connection	H			OST VKS 7530	Conic connections in machine building

(1)	(2)	(3)	(4)	(5)	(6)
Height of boat	$H_{\text{сл}}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Height, maximum useful	H_u			OST VKS 7144	Aerial photography
Height, metacentric	h			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Height, metacentric transversal	h_B			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Height, metacentric longitudinal	h_L			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Height of midship section	H_{μ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Height of midship section of fuselage	$H_{\mu, \varphi}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Altitude above take-off airfield	H_A			OST VKS 7144	Aerial photography
Height of dam	H			OST VKS 6128	Hydrotechnics
Altitude of flight	H			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Height of ledge	h_n			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
of T-beam reinforced concrete section					
Height of float	h			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Altitude of airplane (above sea level), absolute	Z			OST VKS 7144	Aerial photography
Altitude of airplane grounded	H	H_c		GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Altitude of airplane above terrain	H			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Altitude of airplane above average level of terrain; photographic altitude	H_T			OST VKS 7144	Aerial photography
Height of planet above horizon	h			OST VKS 6203	Astronomy
Height of layer of atmospheric precipita- tions	h			OST VKS 6128	Hydrotechnics
Altitude, photographic; altitude of airplane above average level of terrain	H_T			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Altitude of point of sight above ground	l			OST VKS 6345	Geodesy and cartography
Altitude of a point, absolute	H			OST VKS 6345	Geodesy and cartography
Flexibility	λ			OST 90054-40	Building constructions
				GOST 2971-45	Building mechanics
Depth	h			GOST 2970-45	Hydromechanics
Depth; height	h			GOST 1493-42	General technical quantities
Depth of stream at under water	h			OST VKS 6128	Hydrotechnics
Year, sidereal	S			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Year, tropical	T			OST VKS 6203	Astronomy
Horizon of instrument	H_i			OST VKS 6345	Geodesy and cartography
Grading of photographic paper, corresponding to useful latitude of negative's emulsion	L_s			OST VKS 7144	Aerial photography
Gradient; steepness of characteristic curve	g			GOST 2653-44	Sensitometry
Gradient, minimum useful	g_{min}			GOST 2653-44	Sensitometry
Gradient (corresponding to beginning of distinct rendering of light), least useful	g_{min}			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Gradient, average	f_g			GOST 2653-44	Sensitometry
Gradient, temperature	t_{gr}			OST VKS 7144	Aerial photography
Load, temporary point; loading, temporary point	P			OST 90054-40	Building constructions
Load, permanent point; loading permanent	G			OST 90054-40	Building constructions
Load, point	P, G, Q			GOST 2971-45	Construction mechanics
Pressure	p			GOST 2970-45	Hydromechanics
				GOST 1075-41	Hydro-aerodynamic com- putations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Pressure; force per unit of area; tension	p	P		GOST 1493-42	General technical quantities
Pressure; specific pressure	p			OST 90054-40	Building constructions
Pressure, absolute	P _a			OST VKS 6394	Thermodynamics
Pressure, atmospheric; barometric pressure	P _b			GOST 2971-45	Construction mechanics
Pressure, barometric;	P _b			GOST 2899-45	Theory of mechanisms
				OST VKS 6262	Measurement of pressure
				OST VKS 6262	Measurement of pressure
				OST VKS 6262	Measurement of pressure

(1)	(2)	(3)	(4)	(5)	(6)
atmospheric pressure					
Pressure of air, true	B_0		Pressure reduced to a temperature of 0° Centigrade, and normal acceleration of gravitation force	OST VKS 6345	Geodesy and cartography
Pressure, dynamic; velocity thrust	q		$q = \frac{\rho v^2}{2};$ $q = \frac{\rho W^2}{2},$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

wherein:

ρ -- air density

V -- velocity of flight (or of stream)

W -- velocity of stream; wind velocity

(1)	(2)	(3)	(4)	(5)	(6)
Pressure of ground; force of ground pressure	R			OST 90054-40	Building constructions
Pressure, excess	Δp		$\Delta p = p - p_H$ wherein: p -- pressure p_H -- atmospheric pressure at altitude H	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Pressure, excess	p			OST VKS 6262	Measurement of pressure
Pressure at altitude H, atmospheric	p_H			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Pressure of instrument, permissible	p_n			OST VKS 6262	Measurement of pressure

(1)	(2)	(3)	(4)	(5)	(6)
Pressure of instrument, limit	P_m			OST VKS 6262	Measurement of pressure
Pressure, specific; pressure	p			GOST 2971-45	Construction mechanics
				GOST 2899-45	Theory of mechanisms
Distance of flight	L	L_{nod}		GOST 1075-41	Hydro-aerodynamic com- putations in aircraft construction
Motion of star along large circle, annual proper	M			OST VKS 6203	Astronomy
Motion of star in right ascension, proper annual	M_α			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Motion of star in inclination, proper annual	μ_s			OST VKS 6203	Astronomy
Motion, average daily	n			OST VKS 6203	Astronomy
Deviation of compass	Δ_x			OST VKS 7114	Aerial photography
Detail, blackening	δ			GOST 2653-44	Sensitometry
Detail, brightness	Δ			GOST 2653-44	Sensitometry
Detail, photographic	Δ_p			GOST 2653-44	Sensitometry
Deformation on stretching, longitudinal; absolute elongation	Δl	δ		GOST 2971-45	Construction mechanics
Deformation on stretch-	ϵ			GOST 2971-45	Construction mechanics

(1)	(2)	(3)	(4)	(5)	(6)
ing, relative longitudinal; relative elongation					
Deformation on compression, absolute longitudinal; absolute contraction	Δl	δ		GOST 2971-45	Construction mechanics
Deformation on compression, relative longitudinal; relative contraction	ϵ			GOST 2971-45	Construction mechanics
Diagonal of plane sheet frame of international grid		d		GOST VKS 7144	Aerial photography
Diameter		D, d		GOST 2970-45	Hydromechanics

(1)	(2)	(3)	(4)	(5)	(6)
				OST 90054-40	Building constructions
				GOST 2899-45	Theory of mechanisms
Diameter	d			GOST 1493-42	General technical quantities
Diameter	d		In transversal sections	OST 90054-40	Building constructions
Diameter (dimensions of constructions and of their elements)	d, D			GOST 2971-45	Construction mechanics
Diameter (dimensions of transversal sections and of their elements)	d			GOST 2971-45	Construction mechanics
Diameter of propeller	D			GOST 1075-41	Hydro-aerodynamic com-

(1)	(2)	(3)	(4)	(5)	(6)
					putations in aircraft construction
Diameter of aperture stop	d_p			OST VKS 6145	Optics
Diameter of field stop	$d_{p'}$			OST VKS 6145	Optics
Diameter of cone, large	D_o			OST VKS 7530	Conic connections in machine building
Diameter of cone, small	d_o			OST VKS 7530	Conic connections in machine building
Diameter, rated	D, d			OST VKS 7530	Conic connections in machine building

(1)	(2)	(3)	(4)	(5)	(6)
Diopter	D		Denotation used only following numerical values	OST VKS 6145	Optics
Length	L, l			GOST 2970-45 OST 90054-40	Hydromechanics Building constructions
Length	l			GOST 1493-42	General technical quantities
Length	L		In dimensional equations	OST VKS 5858	Mass, weight density
Length (dimensions of constructions and of their elements)	l, L			GOST 2971-45	Construction mechanics
Length of aerial film, total	l_n			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Length of base line, reduced to sea level	D_0			OST VKS 6345	Geodesy and cartography
Length of photographic base	β			OST VKS 7144	Aerial photography
Length of major half-axis of terrestrial spheroid	a			OST VKS 6345	Geodesy and cartography
Length of wave	λ			GOST 2970-45	Hydromechanics
				OST VKS 6261	Measurement of temperatures
				GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Length of wave	λ		Wave length of X-rays in vacuo $\lambda = \frac{c}{\nu}$ wherein: c -- propagation velocity of electromagnetic waves in vacuo ν -- frequency of oscillations Wave lengths of individual lines of a characteristic X-ray spectrum of series K, L ... are denoted by $\lambda_{\alpha 1}, \lambda_{\alpha 2}, \lambda_{\beta 1} \dots$	OST VKS 6350	X-ray technology

(1)	(2)	(3)	(4)	(5)	(6)
Length of wave in reservoir	2L			OST VKS 6128	Hydrotechnics
Length of wave of continuous X-ray spectrum in vacuo, limit minimum	λ_0			OST VKS 6350	X-ray technology
Length of wave in vacuo	λ			OST VKS 6146	Optics
Length of wave, effective	λ_e			OST VKS 6261	Measurement of temperatures
Length of wave, corresponding to limit of X-rays absorption	λ_g			OST VKS 6350	X-ray technology
Length of wave, corresponding to maximum density of intensity of a continuous X-ray spectrum	λ_{max}			OST VKS 6350	X-ray technology

(1)	(2)	(3)	(4)	(5)	(6)
Length of wave, equivalent; effective length of wave	λ_{eff}			OST VKS 6350	X-ray technology
Length of wave, effective	λ_e			OST VKS 7820	Measurement of temperatures
Length of wave, effective; equivalent length of wave	λ_{eff}			OST VKS 6350	X-ray technology
Length of all photographic itineraries on given area (S), total	L_S			OST VKS 7144	Aerial photography
Length of geodesic line of normal section between two points of spheroid	s			OST VKS 6345	Geodesy and cartography
Length of arc; arch; vault	S, s			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Length of arc; arch; vault (dimensions of constructions and of their elements)	s, S			GOST 2971-45	Construction mechanics
Length of arc of normal section between two points of spheroid	s			OST VKS 6345	Geodesy and cartography
Length of conic connection; height of conic connection	H			OST VKS 7530	Conic connections in machine building
Length of cone	L			OST VKS 7530	Conic connections in machine building
Length of cone, rated	l			OST VKS 7530	Conic connections in machine building

(1)	(2)	(3)	(4)	(5)	(6)
Length of stern portion of boat	L_k			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of stern portion of float	l_k			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of tape, wire or rod at temperature t	l_t			OST VKS 6345	Geodesy and cartography
Length of boat, total	L			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of minor half-axis of terrestrial spheroid	b			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Length of "between-stops" portion of boat	L_{μ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of prow portion of boat	L_{λ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of prow portion of float	L_{λ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Length of one photographic itinerary	L_M			OST VKS 7144	Aerial photography
Length of dam along crest	L			OST VKS 6128	Hydrotechnics
Length of wing float	l			GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
Length of landing run; landing run	L	L_{np}		GOST 1075-41	computations in air- craft construction Hydro-aerodynamic computations in air- craft construction
Length of path	s			OST 2932	Theoretical mechanics
Length of take off run; take off run	L	$L_{\text{раз}}$		GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Length of arms of polar planimeter	R, R_1			OST VKS 6345	Geodesy and cartography
Length of airplane	L			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction

(1)	(2)	(3)	(4)	(5)	(6)
Length of light wave	λ		Length of light waves at different portions of spectrum are denoted: $\lambda_1, \lambda_2, \dots, \lambda_x$	OST VKS 6145	Optics
Length of light wave of C - line of hydrogen	λ_C			OST VKS 6145	Optics
Length of light wave of D - line of sodium	λ_D			OST VKS 6145	Optics
Length of light wave of F - line of hydrogen	λ_F			OST VKS 6145	Optics
Length of light wave of G'-line of hydrogen	$\lambda_{G'}$			OST VKS 6145	Optics

(1)	(2)	(3)	(4)	(5)	(6)
Length of seconds pendulum	L			OST VKS 6345	Geodesy and cartography
Length, wetted area	l			GOST 1075-41	Hydro-aerodynamic computation in air- craft construction
Length of shaft, relative	Δ		Ratio of shaft length to diameter of circle equal to transversal section of shaft's center	OST VKS 6896	Ferromagnetism
Length of photographic itinerary (laid in the course of one flight), total	L_N			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Duration of flight, total	T			OST VKS 7144	Aerial photography
Dosage, physical	D			OST VKS 6350	X-ray technology
Dosage of X-rays on surface of irradiated medium, physical	D ₀			OST VKS 6350	X-ray technology
Longitude of node ascension	Ω			OST VKS 6203	Astronomy
Longitude, geographical (astronomical)	λ			OST BKS 6345	Geodesy and cartography
Longitude, geodetic	L			OST VKS 6345	Geodesy and cartography
Longitude of celestial body, heliocentric				OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Longitude of perigee	π		$\pi = \omega + \Omega$	OST VKS 6203	Astronomy
			Wherein:		
			ω -- angular distance of perigee from node		
			Ω -- longitude of node		
Longitude of point of observation	λ			OST VKS 7082	Terrestrial magnetism
Longitude of planet	λ			OST VKS 6203	Astronomy
Longitude of sun, true	L			OST VKS 6203	Astronomy
Longitude of point of earth's surface from Greenwich	λ			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Tolerance	γ_n			OST VKS 6262	Measurement of pressure
Unit of photosensitivity	s			GOST 2653-44	Sensitometry
Capacity, electrical	C			GOST 1494-42	Electrotechnics
Charge; amount of electricity	q			GOST 1494-42	Electrotechnics
Electron charge	e			GOST 1494-42	Electrotechnics
Zenith	Z			OST VKS 6203	Astronomy
Value (of measured) pressure, actual	P _e			OST VKS 6262	Measurement of pressure
Excess of triangle, spherical	ε			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Change of elements of terrestrial magnetism, spatial	Δ		Used to denote spatial changes of elements of terrestrial magnetism, preceding denotation of quantity, for example: $\Delta H, \Delta D$ wherein: H -- horizontal component of terrestrial field intensity D -- magnetic deviation	OST VKS 7082	Terrestrial magnetism
Inductance; coefficient of self inductivity	L			GOST 1494-42	Electrotechnics
Inductance, mutual; coefficient of mutual inductivity	M	$L_{i,k}$	i, k - consecutive numbers	GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Inductivity of a substance, residual magnetic	B_r			OST VKS 6896	Ferromagnetism
Inductivity, internal magnetic	B			OST VKS 6896	Ferromagnetism
Induction, magnetic	B			GOST 1494-42	Electrotechnics
Induction, maximum magnetic	B_{max}			OST VKS 6896	Ferromagnetism
Induction saturated, internal magnetic	B_s			OST VKS 6896	Ferromagnetism
Induction of body, residual magnetic	B_d			OST VKS 6896	Ferromagnetism
Induction, electric; displacement, electric	D			GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Intensity of radiation	I			OST VKS 6350	X-ray technology
Intensity of radiation of X-rays of λ wave length	I_{λ}			OST VKS 6350	X-ray technology
Intensity of radiation of X-rays on surface of irradiated medium	I_0			OST VKS 6350	X-ray technology
Intensity of magnetization; magnetization	J			GOST 1494-42	Electrotechnics
Intensity of magnetization of a substance, residual; residual magnetization	I_r			OST VKS 6896	Ferromagnetism
Intensity of magnetization,	I_{max}			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
maximum; maximum magnetization					
Intensity of magnetization at saturation; magnetization of saturation	I_s			OST VKS 6896	Ferromagnetism
Intensity of magnetization, median; median magnetization	I_{med}			OST VKS 6896	Ferromagnetism
Interval between two consecutive aerial photographs	τ			OST VKS 7144	Aerial photography
Interval, optical; distance along the optical axis from rear (principal) focus	Δ			OST VKS 6145	Optics

(1)	(2)	(3)	(4)	(5)	(6)
of first system to forward (principal) focus of second system					
Interval of illuminations of optical image	L_i			GOST 2653-44	Sensitometry
Interval of densities, useful	ΔD_g			GOST 2653-44	Sensitometry
Interval of densities of photographic image	ΔD			GOST 2653-44	Sensitometry
Interval of exposure	L			GOST 2653-44	Sensitometry
Interval of exposure, useful	L_g			GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Interval of exposure, total	L_{max}			GOST 2653-44	Sensitometry
Interval of brightness of object	l_0			GOST 2653-44	Sensitometry
Distortion of area	p			OST VKS 6345	Geodesy and cartography
Distortion of angle, limit	ω			OST VKS 6345	Geodesy and cartography
Efficiency	K		$K = \frac{c_y}{c_x}$	GOST 1075-41	Hydro-aerodynamic computations in air- craft construction

wherein:

c_y -- coefficient of lift
force,

c_x -- coefficient of head
resistance

(1)	(2)	(3)	(4)	(5)	(6)
Efficiency hydrodynamic	K_z		$K_z = \frac{Y}{W},$ wherein: Y -- hydrodynamic lift force W -- hydrodynamic resistance	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Efficiency, inverse; coefficient of gliding	μ		$\mu = \frac{c_x}{c_y},$ wherein c_x -- coefficient of head resistance, c_y -- coefficient of lift force	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Amount of water in units of volume, total	V			OST VKS 6128	Hydrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
(flowing through a turbine or hydrostation over certain interval of time)					
Amount of illumination	H			OST VKS 7637	Light measurements
Amount of illumination; exposure	H			GOST 2653-44	Sensitometry
Amount of light	Q			GOST 1493-42	General technical quantities
Amount of heat	Q			OST VKS 6394	Thermodynamics
Amount of heat	q		Denotation for 1 kg. In denotation of quantity for 1 kg -- mole, there	OST VKS 6394	Thermodynamics

(1)	(2)	(3)	(4)	(5)	(6)
			is written before it, if necessary, the letter μ		
Amount of heat	Q			GOST 1493-42	General technical quantities
Amount of electricity; charge	q			GOST 1494-42	Electrotechnics
Contrast of object	U			GOST 2653-44	Sensitometry
Contrast, total	Ω		Contrast, determined taking into account the form of the entire characteristic curve	OST VKS 7144	Aerial photography
Cone, internal	A_k			OST VKS 7530	Conic connections in machine building

(1)	(2)	(3)	(4)	(5)	(6)
Cone, external	B_k			OST VKS 7530	Conic connections in machine building
Taper	\underline{k}		$\underline{k} = \frac{D_1 - d_1}{l} = 2 \tan \alpha$ (ratio of difference between diameters (D_1 and d_1) of two transversal sections of cone, to distance between them (l_1) or twice the tangent of angle of slope (α))	OST VKS 7530	Conic connections in machine building
Coordinate of terrain point, altitudinal	z			OST VKS 7144	Aerial photography
Coordinate of center of pressure	χ_2			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coordinate of elastic center	x_{2k}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coordinate of center of gravity	x_m			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coordinates, Cartesian	x, y, z	ξ, η, ζ		GOST 2971-45 OST 90054-40	Construction mechanics Building constructions
Coordinates of heavenly bodies, rectangular heliocentric equatorial	x, y, z			OST VKS 6203	Astronomy
Coordinates of heavenly bodies, rectangular geocentric equatorial	ξ, η, ζ			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Coordinates, polar	r, θ	ρ, φ		OST 90054-40	Building constructions
Coordinates, rectangular	x, y		Rectangular coordinates of different systems are denoted by the same letters x and y with corresponding indices	OST VKS 6345	Geodesy and cartography
Coordinates of sun, rectangular geocentric equatorial	X, Y, Z			OST VKS 6203	Astronomy
Coordinates of a point of aerial photograph in relation to direction of projections of coordinate axes of terrain on plane of photograph	x, y or x, z			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Coordinates of a point of terrain, plane	X, Y			OST VKS 7144	Aerial photography
Coefficient of an aneroid, temperature	α_A, b			OST VKS 6345	Geodesy and cartography
Coefficient of reinforcement	μ			OST 90054-40	Building constructions
Coefficient of aerodynamic moment (total)	m_M		Denotation c_m permissible in profile characteristics and for symmetry problem	GOST 1075-41	Hydro-aerodynamic computations in air-craft construction
Coefficient of aerodynamic force (total)	c_R		$c_R = \frac{R}{qS} =$ $= \sqrt{(-c_x)^2 + c_y^2 + c_z^2}$	GOST 1075-41	Hydro-aerodynamic computations in air-craft construction

wherein:

R -- aerodynamic force

q -- velocity thrust

(1)	(2)	(3)	(4)	(5)	(6)
			(dynamic pressure), (-c _x) -- force coefficient of velocity c _y -- coefficient of lift force c _z -- coefficient of lateral force		
Coefficient of lateral force	c _z		$c_z = \frac{Z}{qS}$	GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
			wherein: Z -- lateral force q - velocity thrust (dynamic pressure) S -- carrier surface of wings		

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of speed	c_s		$c_s = \frac{\lambda}{5\sqrt{\beta}}$ <p>wherein: λ -- coefficient of propeller speed (relative propeller pitch), β -- coefficient of propeller power</p>	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of speed of a turbine	n_s			OST VKS 6128	Hydrotechnics
Coefficient of mutual induction; inductivity mutual	M	$L_{i,k}$	i, k -- consecutive numbers	GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of viscosity	μ			GOST 1075-41	Hydro-aerodynamic computations in air-craft construction
Coefficient of viscosity, dynamic	μ	η		GOST 1493-42	General technical quantities
Coefficients of viscosity, dynamic	μ			GOST 2970-45	Hydromechanics
Coefficient of viscosity, kinematic	ν			GOST 1075-41	Hydro-aerodynamic computations in air-craft construction
				GOST 2970-45	Hydromechanics
				GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of viscosity	μ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of viscosity, dynamic	μ	η		GOST 1493-42	General technical quantities
Coefficients of viscosity, dynamic	μ			GOST 2970-45	Hydromechanics
Coefficient of viscosity, kinematic	ν			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
				GOST 2970-45	Hydromechanics
				GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of hydrodynamic resistance	c_W			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of gliding	ϵ		$\epsilon = \frac{W}{Y}$ wherein: W -- hydrodynamic resistance Y -- hydrodynamic lift force	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of pressure	\bar{p}		$\bar{p} = \frac{\Delta p}{q}$ wherein: Δp -- excess pressure q -- velocity thrust (dynamic pressure)	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of a range finder; constant of range finder	C			OST VKS 6345	Geodesy and cartography
Coefficient of Darcy-Weissbach	λ			GOST 2970-45	Hydromechanics
Coefficient of dynamic load	c_B		$c_B = \frac{\Delta}{qB^2}$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
			wherein:		
			Δ -- load on water,		
			q -- velocity thrust (dynamic pressure)		
			B -- width of boat or float		
Coefficient of dispersion	ν		$\nu = \frac{n_D - 1}{n_F - n_C}$	OST VKS 6145	Optics

(1)

(2)

(3)

(4)

(5)

(6)

wherein:

n_D, n_F, n_C

indexes of refraction for
lines D, F, C.

The letter ν is used to
denote the coefficient of
dispersion also in those
instances when in lieu of
 n_D, n_F, n_C there are
used indexes of refraction
of other wave lengths

Coefficient of rigidity

i

$$\frac{EJ}{I},$$

GOST 2971-45

Construction mechanics

wherein:

E -- modulus of longi-
tudinal elasticity

J -- moment of inertia

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of rigidity of a rod on bending	i		of section l -- length $\frac{EJ}{l}$ (rigidity)	OST 90054-40	Building constructions
			wherein: E -- modulus of longitudinal elasticity J -- moment of inertia of section l -- length		
Coefficient of haze	σ		Ratio of haze brightness to brightness of ground surface	OST VKS 7144	Aerial photography
Coefficient of discharge retardation	φ			OST VKS 6128	Hydrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of flotation margin	k			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of strength margin	k	μ		GOST 2971-45	Construction mechanics
Coefficient of strength margin	k			OST 90054-40	Building constructions
Coefficient of attenuation (in time)	δ			GOST 1494-42	Electrotechnics
Coefficient of change in scale of picture on reduction	k			OST VKS 7144	Aerial photography
Coefficient of change in	K			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
scale of picture on reproduction					
Coefficient of change in scale of picture on transformation	k'			OST VKS 7144	Aerial photography
Coefficient of inductive resistance	c_{xi}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of integral radiance	ϵ			OST VKS 7820	Measurement of temperatures
Coefficient of integral radiance (relative to black body)	ϵ			OST VKS 6261	Measurement of temperatures

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of Callier	q			GOST 2653-41	Sensitometry
Coefficient of contrast	γ			GOST 2653-44	Sensitometry
Coefficient of contrast, maximum	γ_{max}			GOST 2653-44	Sensitometry
Coefficient of contrast, limit	γ_{∞}			GOST 2653-44	Sensitometry
Coefficient of concentration	α			GOST 2971-45	Construction mechanics
Coefficient of Coriolis	α			GOST 2970-45	Hydromechanics
Coefficient of linear expansion	α			GOST 1493-42	General technical quantities
				GOST 2971-45	Construction mechanics
				GOST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of head resistance	c_x		$c_x = \frac{Q}{qS}$ wherein: Q -- head resistance, q -- velocity thrust, (dynamic pressure) S -- carrying area of wings	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of head resistance	c_x			OST VKS 7114	Aerial photography
Coefficient of magnet, inductive	ν			OST VKS 7028	Terrestrial magnetism
Coefficient of magnetic moment, temperature	μ			OST VKS 7028	Terrestrial magnetism

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of moment (hydrodynamic)	c_m		$c_m = \frac{M}{q B^3}$ <p>wherein: M -- total hydrodynamic moment q -- velocity thrust (dynamic pressure) B -- width of boat or float</p>	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of propeller moment	\underline{z}	\underline{z}_g		GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of bank moment	m_x		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of bank moment	m_{x_1}		Coordinate axes body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of moment in width	m_B		$m_B = \frac{M}{\gamma B^4}$ wherein M -- total hydrodynamic moment γ -- weight of unit of volume B -- width of boat or float	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of moment by width and load	m_{Δ}		$m_{\Delta} = \frac{M}{\Delta B}$ wherein: M -- total hydrodynamic moment Δ -- load on water B -- width of boat or float	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of moment at zero lift force	m_{M_0}		For profile characteristics and symmetry problem the denotation c_{m_0} is permissible	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of moment of yawing	m_y		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of moment of yawing	m_{y1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of moment of pitching	m_z		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of moment of pitching	m_{z1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of monochromatic radiation of wave length	ϵ_{λ}			OST VKS 6261	Measurement of temperatures
Coefficient of monochromatic radiation of wave length	ϵ_{λ}			OST VKS 7820	Measurement of temperatures
Coefficient of propeller power	β	β_s		GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of load per surface swept	B		$B = \frac{P}{qF}$ wherein: P -- propeller thrust, q -- velocity thrust	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of expenditure fluctuation, (rates of maximum hourly expenditure, to average hourly expenditure on yearly basis)	k		(dynamic pressure) F -- area swept by propeller	OST VKS 6129	Sanitation
Coefficient of movement variation	δ			GOST 2899-45	Theory of mechanisms
Coefficient of normal force	c_{y1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of volume expansion	γ	β		GOST 1493-42	General technical quantities
Coefficient of intensity reduction (absorption coefficient)	μ		<p>The coefficient of equation:</p> $I = I_0 e^{-\mu x}$ <p>wherein:</p> <p>x -- thickness of reducing layer</p> <p>I -- radiation intensity,</p> <p>I_0 -- X-rays intensity upon surface of irradiated medium.</p> <p>Portion of reduction coefficient due to photo effect is denoted by letter τ ;</p> <p>difference between μ and τ</p>	OST VKS 6350	X-Ray technology

(1)

(2)

(3)

(4)

(5)

(6)

is denoted by letter σ .

Portion of reduction coefficient which determines the energy of emission electrons is denoted by σ_r ; difference between σ and σ_r is denoted by σ_s .

For mass coefficients there are permissible the denotations

$$\frac{\mu}{\rho}, \frac{\tau}{\rho}, \frac{\sigma}{\rho}, \frac{\sigma_r}{\rho}, \frac{\sigma_s}{\rho},$$

where ρ is the density of the substance.

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of reflection	S			OST VKS 7637	Light measurements
Coefficient of reflection of a body; reflective power of the body	R		Ratio of light flux, reflected by the body, to the incident flux	OST VKS 6146	Optics
Coefficient of negative thrust of propeller	c_p			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of gliding; inverse efficiency	μ		$\mu = \frac{c_x}{c_y}$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

wherein:

c_x -- coefficient of head resistance

c_y -- coefficient of lift force

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of surface friction	σ_f			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of light quenching	k		Coefficient of formula: $J = J_0 10^{-kx}$ wherein: J_0 and J_x ^{are} quantities proportional to squares of light oscillation amplitudes, prior and subsequent to passage through a layer having a thickness x .	OST VKS 6146	Optics
Coefficient of absorption	α			OST VKS 7637	Light measurements

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of light absorption	k'		Coefficient of formula: $J = J_0 e^{-k'x}$ where J_0 and J are quantities proportional to squares of light oscillation amplitudes prior and subsequent to passage through a layer having a thickness x .	OST VKS 6146	Optics
Coefficient of lift force	c_y		$c_y = \frac{Y}{qS}$ wherein: Y -- lift force q -- velocity thrust (dynamic pressure)	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
			S -- carrying area of wings		
Coefficient of lift force	C_y			OST VKS 7144	Aerial photography
"Coefficient of useful effect" (efficiency factor)	η			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
				GOST 1493-42	General technical quantities
				GOST 2970-45	Hydromechanics
"Coefficient of useful effect" (efficiency factor)	η		Various coefficients of useful effect are denoted by the same	OST VKS 6394	Thermodynamics

(1) (2) (3) (4) (5) (6)

letter η with the corresponding indices written below; thus for example the coefficient of useful effect of a Carnot cycle η_c ; mechanical coefficient of useful effect η_m etc.

"Coefficient of useful effect" of an aerial propeller

η

OST VKS 7144

Aerial photography

"Coefficient of useful effect", mechanical

η

GOST 2899-45

Theory of mechanisms

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of "built up degree"	φ			OST VKS 6129	Sanitation
Coefficient of transversal force	c_{z1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computation in aircraft construction
Coefficient of porosity	ϵ			GOST 2970-45	Hydromechanics
Coefficient of loss of contrast	β			GOST 2653-41	Sensitometry
Coefficient of refraction	n			GOST 1493-42	General technical quantities
Coefficient of instrument, temperature	α_i			OST VKS 6262	Measurement of pressure

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of longitudinal buckling	φ			GOST 2971-45	Construction mechanics
Coefficient of longitudinal buckling	φ		Lowering of permissible stresses or increased margin of strength	OST 90054-40	Building constructions
Coefficient of transmittance of absorber	τ			OST VKS 7820	Measurement of temperatures
Coefficient of transmission	τ			OST VKS 7637 GOST 2653-44	Light measurements Sensitometry
Coefficient of transmission, for light of wave length λ , of the absorber	τ_λ			OST VKS 6261	Measurement of temperatures
Coefficient of transmission of a body, limited by two	T		Ratio of light flux passing through the	OST VKS 6146	Optics

(1)	(2)	(3)	(4)	(5)	(6)
parallel planes; transmission power of a body limited by two parallel planes			body, to the incident flux		
Coefficient of profile resistance	c_{xp}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of development, temperature	α_{np}			GOST 2653-44	Sensitometry
Coefficient of Poisson	μ	ν		GOST 2971-45	Construction mechanics
Coefficient of Poisson	μ			OST 90054-40	Building constructions
Coefficient of demagnetization, ballistic	N_B			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of demagnetization, magnetometric	N			OST VKS 6896	Ferromagnetism
Coefficient of demagnetization of a permanent magnet, ballistic	N _b			OST VKS 6896	Ferromagnetism
Coefficient of scattering (magnetic)	σ			GOST 1494-42	Electrotechnics
Coefficient of discharge	μ			GOST 2970-45	Hydromechanics
Coefficient of discharge of a weir	m			GOST 2970-45	Hydromechanics
Coefficient of refraction	K			OST VKS 6345	Geodesy and cartography
Coefficient of self induction; inductance	L			GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of coupling	k			GOST 1494-42	Electrotechnics
Coefficient of compression	ϵ			GOST 2970-45	Hydromechanics
Coefficient of power by velocity	$(-c_x)$		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of velocity	φ			GOST 2970-45	Hydromechanics
Coefficient of propeller speed; relative pitch of propeller	λ		$\lambda = \frac{V}{n_s D}$ wherein: V -- velocity of flight (or stream) n_s -- number of rotations per second D -- diameter of propeller	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of resistance	ζ			GOST 2970-45	Hydromechanics
Coefficient of static load	c_d		$c_d = \frac{\Delta}{\gamma B^3}$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
			wherein:		
			Δ -- load on water		
			γ -- weight of volume unit		
			B -- width of boat or float		
Coefficient of wing taper	η		$\eta = \frac{b_k}{b_{концы}}$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
			wherein:		
			b_k -- wing base chord		
			$b_{концы}$ -- wing tip chord		

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of tangential force	$(-c_{x1})$		Coordinate axes fixed	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of tangential force of resistance	c_{x1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of heat emission	α			GOST 1493-42	General technical quantities
Coefficient of heat transfer	k			GOST 1493-42	General technical quantities
Coefficient of heat conductivity	λ			GOST 1493-42	General technical quantities
Coefficient of heat	λ			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
conductivity; heat conductivity					
Coefficient of friction	f			GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
Coefficient of rolling friction	k			GOST 1493-42	General technical quantities
				GOST 2899-45	Theory of mechanisms
Coefficient of friction relative to midship or wing area	c_{af}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of sliding friction	f			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
				GOST 2899-45	Theory of mechanisms
Coefficient of propeller thrust	α	α_b		GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Coefficient of correction for temperature of the cold end of a thermocouple	k		Coefficient by which is multiplied the difference between actual temperature of cold end of thermocouple, and that temperature of it at which the thermocouple was calibrated	OST VKS 6261	Measurement of temperatures
Coefficient of reduction; scale	M			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of filtration	k			GOST 2970-45	Hydromechanics
Coefficient of filtration	k_{ϕ}			OST 90054-40	Building constructions
Coefficient of Callendar formula; used as criterion of the quality of platinum	δ		$t = t_p -$ $\delta \left[\frac{t}{100} - \left(\frac{t}{100} \right)^2 \right]$	OST VKS 6261	Measurement of temperatures

wherein:

t_p is a quantity
derived by means of
formula:

$$t_p = \frac{R_t - R_0}{R_{100} - R_0} 100^\circ$$

where R is the electric
resistance of the
platinum resistance
thermometer

(1)	(2)	(3)	(4)	(5)	(6)
Coefficient of color radiation	ϵ_c			OST VKS 6261	Measurement of temperatures
Coefficient of Schwartzschild	p			GOST 2653-44	Sensitometry
Coefficient of Chezy	C			GOST 2970-45	Hydromechanics
Coefficient of roughness	n			GOST 2970-45	Hydromechanics
Coefficient of electric resistance, (temperature)	α			GOST 1494-42	Electrotechnics
Coefficient of brightness	r			GOST 2653-44	Sensitometry
Coefficient of brightness (of reflected or transmitted light)	r			OST VKS 7637	Light measurements

(1)	(2)	(3)	(4)	(5)	(6)
Coefficients of the formula of magnets' interaction on resolution by order of R	P, q			OST VKS 7082	Terrestrial magnetism
Coefficients of calibration formulas for platinum resistance thermometer	A, B, C		$R_t =$ $= R_0 (1 + At + Bt^2)$ for temperatures from 0° to 660° Centigrade; $R_t = R_0 =$ $[1 + At + Bt^2 + C(t - 100)t^3]$ for temperatures from -190° Centigrade to 0° Centigrade.	OST VKS 6261	Measurement of temperatures
			Wherein R -- is the		

(1)	(2)	(3)	(4)	(5)	(6)
Coefficients of the formula correlating the thermo-electromotive force of a platinum-platinum rhodium thermocouple, with the temperature	a, b, c		electric resistance of the platinum resistance thermometer $e_t = a + bt + ct^2$ wherein: $e_t = \text{thermo-electromotive force of the thermocouple.}$	OST VKS 6261	Measurement of temperatures
Power of light filter	q			GOST 2653-44	Sensitometry
Power of a light filter, second	K_f^2		Indicates how many times is decreased the haze brightness (according to	OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Power of a light filter, first	K_{f1}		the law of Rayleigh) on viewing it without a light filter and with a light filter	OST VKS 71114	Aerial photography
Bank, transversal; pro- jection of angle (α)	α_x		Indicates how many times is decreased the average brightness of an area of ground surface, conven- tionally neutral in tone, on viewing it without a light filter and with a light filter	OST VKS 71114	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
<p>of deflection upon the vertical plane, perpendicular to the longitudinal symmetry axis of the airplane</p>					
<p>Curvature of profile, relative</p>	<p>\bar{f}</p>		<p>$\bar{f} = \frac{f}{b}$</p> <p>where:</p> <p>f -- rise of profile curvature</p> <p>b -- wing chord</p>	<p>GOST 1075-44</p>	<p>Hydro-aerodynamic computations in aircraft construction</p>
<p>Slope of characteristic curve; gradient</p>	<p>g</p>			<p>GOST 2653-44</p>	<p>Sensitometry</p>
<p>Course, true</p>	<p>γ_N</p>			<p>GOST VKS 7144</p>	<p>Aerial photography</p>

(1)	(2)	(3)	(4)	(5)	(6)
Course, compass	γ_K			OST VKS 7144	Aerial photography
Course, magnetic	γ_M			OST VKS 7144	Aerial photography
Course, of travel	γ_w			OST VKS 7144	Aerial photography
Lines limiting the area covered by one aerial photograph on the terrain	L_y, L_x				
Base line; line of intersection of planes of picture and object	T - T			OST VKS 7144	Aerial photography
Line of intersection of the planes of picture and object; base line	T - T			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Mass	m			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
				GOST 2970-45	Hydromechanics
				GOST 1493-42	General technical quantities
				OST 90054-40	Building constructions
Mass	m	M		GOST 2971-45	Construction mechanics
Mass of a link	m			GOST 2899-45	Theory of mechanisms
Mass, magnetic	m			GOST 1494-42	Electrotechnics
Mass of a planet or comet	m			OST VKS 6203	Astronomy
Mass of a point	m			OST 2932	Theoretical mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Scale	μ	k		GOST 2899-45	Theory of mechanisms
Scale; coefficient of reduction	M			OST VKS 6345	Geodesy and cartography
Scale of aerial photograph along line $h_c - h_c$ (line of undistorted scale), numerical	l:m			OST VKS 7144	Aerial photography
Scale, maximum linear	m			OST VKS 6345	Geodesy and cartography
Scale, minimum linear	n			OST VKS 6345	Geodesy and cartography
Scale, along principal vertical, numerical	l:m _v			OST VKS 7144	Aerial photography
Scale, along principal horizontal, numerical	l:m _h			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Scale of transformed aerial photograph, numerical	1:m'			OST VKS 7144	Aerial photography
Scale of photoplan, numerical	1:M			OST VKS 7144	Aerial photography
Scale, individual linear	M_A			OST VKS 6345	Geodesy and cartography
Location of zenith on vertical circle	MZ			OST VKS 6345	Geodesy and cartography
Location of zenith on vertical circle	M_z			OST VKS 6203	Astronomy
Location of meridian on horizontal circle	M_s			OST VKS 6203	Astronomy
Location of zero on vertical circle	MO			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Factor of magnetic theodolite, reduction	c			OST VKS 7082	Terrestrial magnetism
Modulus of longitudinal elasticity	E			GOST 2971-45	Construction mechanics
Modulus of shear	G			OST 90054-40	Building constructions
				GOST 1493-42	General technical quantities
				GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
Modulus of discharge	s			OST VKS 6128	Hydrotechnics
Modulus of elasticity	E			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Moment, rotation	M			GOST 2899-45	Theory of mechanisms
Moment, differential	M_{φ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of drift	M_{ψ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment, flexing	M			GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
Moment of inertia	J, I			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of inertia	J			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Moment of inertia of magnetic system	K			OST 2932	Theoretical mechanics
Moment of inertia relative to axis X	J_x	Θ_x		OST VKS 7082	Terrestrial magnetism
Moment of inertia of section	J	I		GOST 2899-45	Theory of mechanisms
Moment of inertia of section	J			GOST 2971-45	Construction mechanics
Moment of inertia of section	J			OST 90054-40	Building construction
Moment ^{of motion quantity,} of motion quantity, principal, of a system	L			OST 2932	Theoretical mechanics
Moment ^{of motion quantity,} of motion quantity, of a point	L		In those instances when	OST 2932	Theoretical mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Moment of bank	M_y		it is necessary to specify the center or axis in relation to which the moment of motion quantity is taken, a corresponding lower index is used with the letter L.	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of bank	M_x		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of bank	M_{x1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
Moment, torsional	M_k			GOST 2971-45	computations in aircraft construction Construction mechanics
Moment, flexure bearing	M			OST 90054-40	Building constructions
Moment of couple	M			GOST 2971-45	Construction mechanics
Moment, total aerodynamic	M			OST 2932	Theoretical mechanics
				GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

$$M = m_M q S l = \sqrt{M_x^2 + M_y^2 + M_z^2}$$

wherein:

m_M -- coefficient of aerodynamic moment (total)

q -- velocity thrust

(1)	(2)	(3)	(4)	(5)	(6)
Moment, total hydrodynamic	M		(dynamic pressure) S -- carrying area of wings l -- span of wings M_x, M_y, M_z -- components of aerodynamic moment	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of passage of a heavenly body through the perihelion	τ			OST VKS 6203	Astronomy
Moment of yawing	M_y		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Moment of yawing	M_{y1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of section, static	S			GOST 1493-42	General technical quantities
				GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
Moment of force	M			GOST 1493-42	General technical quantities
Moment of force relative to a point	M			OST 2932	Theoretical mechanics
Moment of resistance	W			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Moment of resistance of section	W			GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
Moment of pitching	M		Coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment of pitching	M_{z_1}		Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Moment, central	$M_{\underline{\alpha}}$			GOST 2971-45	Construction mechanics
Moments of inertia	J_x, J_y, J_z		In special problems	OST 2932	Theoretical mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Moments of inertia relative to coordinate axes x, y, z, centri- fugal	J_{zx} J_{xy} J_{yz}		relating to motion of a solid body, its inertia moments with respect to the coordinate axes may be denoted by letters A, B, C.	In specific problems relating to motion of a solid body, its centri- fugal moments of inertia in relation to the axes of coordinates may be denoted by letters D, E, F.	OST 2932 Theoretical mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Moments of inertia relative to coordinate axes xy , zx , zy , centrifugal	J_{xy} , J_{zx} , J_{zy}	Q_{xy} , Q_{zx} , Q_{zy}		GOST 2899-45	Theory of mechanisms
Power	P, N			GOST 1493-42	General technical quantities
Power	N			OST 2932	Theoretical mechanics
Power	N	L		GOST 2899-45	Theory of mechanisms
Power, active	P		Instantaneous value, and also average value of power is denoted by lower case letter p.	GOST 2970-45 GOST 1494-42	Hydromechanics Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Power in kgm/sec	T			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Power in HP	N			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Power of radiation	P			OST VKS 6350	X-ray technology
Power of radiation of X-rays of λ wave length	P_{λ}			OST VKS 6350	X-ray technology
Power of radiation of X-rays striking the surface of the irradiated medium	P_0			OST VKS 6350	X-ray technology

(1)	(2)	(3)	(4)	(5)	(6)
Power of radiation of X-rays, absorbed by irradiated medium	P_a			OST VKS 6350	X-ray technology
Power, apparent	S			GOST 11499-42	Electrotechnics
Power, maximum	N_{max}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Power in hysteresis; losses by hysteresis	P_h			OST VKS 6896	Ferromagnetism
Power in hysteresis and Foucault currents; losses by hysteresis and Foucault currents	P_{hf}			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Power in hysteresis and Foucault currents, volumetric; volumetric losses by hysteresis and Foucault currents	$Phfv$			OST VKS 6896	Ferromagnetism
Power in hysteresis and Foucault currents specific; specific losses by hysteresis and Foucault currents	Phf			OST VKS 6896	Ferromagnetism
Power in hysteresis, volumetric; volumetric losses by hysteresis	Phv			OST VKS 6896	Ferromagnetism
Power in hysteresis,	Ph			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
specific; specific losses by hysteresis	P_h			OST VKS 6896	Ferromagnetism
Power in Foucault currents; losses by Foucault currents	P_f			OST VKS 6896	Ferromagnetism
Power in Foucault currents, volumetric; volumetric losses by Foucault currents	P_{fv}			OST VKS 6896	Ferromagnetism
Power in Foucault currents, specific; specific losses by Foucault currents	P_f			OST VKS 6896	Ferromagnetism
Power, nominal	N_{nom}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Power, needed	N_n			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Power, available	N_p			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Power, reactive	Q			GOST 149a-42	Electrotechnics
Power of physical dose	P_D			OST VKS 6350	X-ray technology
Power of physical dose of X-rays on the surface of irradiated medium	P_{D_0}			OST VKS 6350-	X-ray technology
Power, cruising	$N_{\text{ЭК}}$			GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
					computations in aircraft construction
Power, effective	N_e			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load, temporary distributed; load temporary uniform	p			OST 90054-40	Building constructions
Load, temporary point; temporary point stress	P			OST 90054-40	Building constructions
Load, temporary uniform; temporary distributed load	p			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Load on water	Δ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load per HP	G/N			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load per m ² ; specific load	G/S, p			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load, useful	G \mathcal{H} , n			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load, total distributed; load, total uniform	q			OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Load, total uniform; load, total distributed	q			OST 90054-40	Building constructions
Load, permanent; permanent point load	G			OST 90054-40	Building constructions
Load, permanent distributed; load, permanent uniform	g			OST 90054-40	Building constructions
Load, permanent uniform; permanent distributed load	g			OST 90054-40	Building constructions
Load of airplane, total	G_{Σ}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load, point; point stress	P, G, Q			GOST 2971-45	Construction mechanics

	(1)	(2)	(3)	(4)	(5)	(6)
Load, total uniform;		q			OST 90054-40	Building constructions
Load, total distributed						
Load, permanent; permanent		G			OST 90054-40	Building constructions
point load						
Load, permanent distributed;		g			OST 90054-40	Building constructions
Load, permanent uniform						
Load, permanent uniform;		g			OST 90054-40	Building constructions
permanent distributed						
Load						
Load of airplane, total		G_{Σ}			OST 1075-41	Hydro-aerodynamic computations in aircraft construction
Load, point; point stress		P, G, Q			GOST 2971-45	Construction mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Load, continuous	P, ρ , q			GOST 2971-45	Construction mechanics
Load, specific; load per m ²	G/S, p			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Nadir	Z'			OST VKS 6203	Astronomy
Inclination, longitudinal; projection of angle of deflection upon vertical plane passing through longitudinal axis of symmetry of the airplane.	α_y			OST VKS 7144	Aerial photography
Inclination of blade section	φ			GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
with respect to rotation plane; angle of setting					computations in aircraft construction
Dip, magnetic	I			OST VKS 7082	Terrestrial magnetism
Inclination of horizontal axis with respect to the horizon	b			OST VKS 6203	Astronomy
Inclination of axis of alidade level with respect to the horizon	i			OST VKS 6203	Astronomy
Inclination of the plane of the equator with respect to the plane of the ecliptic	ε			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Magnetization; intensity of magnetization	J			GOST 1494-42	Electrotechnics
Magnetization of a sub- stance, residual; residual intensity of magnetization of a substance	I_r			OST VKS 6896	Ferromagnetism
Magnetization, maximum; maximum intensity of magnetization	I_{max}			OST VKS 6896	Ferromagnetism
Magnetization of saturation; intensity of magnetization at saturation	I_s			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Magnetization, median; median intensity of magnetization	I_{med}			OST VKS 6896	Ferromagnetism
Magnetization of a body, residual	I_d			OST VKS 6896	Ferromagnetism
Magnetization, specific	σ			OST VKS 6896	Ferromagnetism
Pressure	H			OST VKS 6128	Hydrotechnics
Pressure	H, p			GOST 2970-45	Hydromechanics
Thrust, velocity; dynamic pressure	q		$q = \frac{\rho v^2}{2};$ $q = \frac{\rho W^2}{2}$	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

wherein:

ρ -- density of air

(1)	(2)	(3)	(4)	(5)	(6)
			V -- velocity of flight (or of flow)		
			W -- velocity of stream; wind velocity		
Direction of wind, true	δ_N			OST VKS 71144	Aerial photography
Direction of wind, compass	δ_K			OST VKS 71144	Aerial photography
Direction of wind, magnetic	δ_M			OST VKS 71144	Aerial photography
Direction of principal vertical on aerial photograph	v - v			OST VKS 71144	Aerial photography
Direction of principal horizontal on aerial photograph	h - h			OST VKS 71144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Direction of line of horizon on aerial photograph	$h_i - h_i$			OST VKS 7114	Aerial photography
Direction of line of undistorted scale	$h_c - h_c$			OST VKS 7114	Aerial photography
Direction of flight velocity	θ_x		System of coordinates -- righthanded. Axes of coordinates, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Intensity of vortex; intensity of whirl	Γ, J			GOST 2970-45	Hydromechanics
Stress, tangential	τ			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Stress, normal	σ			GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions
				GOST 1493-42	General technical quantities
				OST 90054-40	Building constructions
Potential, electric	u	e	Active (effective) value of potential is denoted by capital letter U	GOST 2971-45	Construction mechanics
				GOST 1494-42	Electrotechnics
Intensity of external magnetic field	H_e			OST VKS 6896	Ferromagnetism
Intensity of internal	H_i			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
magnetic field					
Intensity, relative; coercive force	H_c			OST VKS 6896	Ferromagnetism
Intensity of magnetic field	H			GOST 1494-42	Electrotechnics
Intensity of terrestrial magnetic field (total)	T, H_T			OST VKS 7082	Terrestrial magnetism
Intensity of demagnetizing field	H_O			OST VKS 6896	Ferromagnetism
Intensity of demagnetizing field of a magnet	H_d			OST VKS 6896	Ferromagnetism
Intensity of electric field; electric force	E	K		GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Error of closure in leveling traverse (direct and reverse), altitudinal	Δh			OST VKS 7144	Aerial photography
Error of closure in perimeter of theodolitic traverse, linear	ΔP			OST VKS 7144	Aerial photography
Error of closure on comparing results of area computation	ΔS			OST VKS 7144	Aerial photography
Error of closure in angles of theodolitic traverse	ΔQ			OST VKS 7144	Aerial photography
Lack of sharpness due to flight velocity	Δv			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Numbers of links	1,2,3... ...k... ...n			GOST 2899-45	Theory of mechanisms
Mutation in longitude	$\Delta \psi$			OST VKS 6203	Astronomy
Mutation in inclination	$\Delta \epsilon$			OST VKS 6203	Astronomy
Volume	V			GOST 2970-45	Hydromechanics
				GOST 1493-42	General technical quantities
				OST VKS 6394	Thermodynamics
Volume	V, v			GOST 2971-45	Construction mechanics
				OST 90054-40	Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Volume	v		Denotation for 1 kg. In denoting values for 1 kg - mole, it is preceded, if necessary, by the letter μ	OST VKS 6394	Thermodynamics
Volume of water in reservoir	W			OST VKS 6128	Hydrotechnics
Volume of liquid at moment of inception of evaporation	v'		Denotation relates to 1 kg	OST VKS 6394	Thermodynamics
Volume of superheated steam	v		Denotation relates to 1 kg	OST VKS 6394	Thermodynamics
Volume of dry saturated steam	v''		Denotation relates to 1 kg	OST VKS 6394	Thermodynamics

(1)	(2)	(3)	(4)	(5)	(6)
Illumination	E			GOST 1493-42	General technical quantities
				OST VKS 7637	Light measurements
				GOST 2653-44	Sensitometry
Frame base of plane sheet of international grid, upper	a			OST VKS 7144	Aerial photography
Frame base of plane sheet of international grid, lower	b			OST VKS 7144	Aerial photography
Axis of lateral force, perpendicular to Ox and Oy , forming with them a righthand system	Oz		System of coordinates -- righthanded, coordinate axes, wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Axis, vertical	Oy_g		Coordinate axes, ground axes. Ox_g and Oz_g disposed arbitrarily but according to righthanded system	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Axis, normal	Oy_l		Perpendicular to Ox , extends upwards when the airplane is in horizontal flight and is disposed within the symmetry plane of the aircraft. System of coordinates righthanded. Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Axis of lift force, disposed with symmetry	Oy		System of coordinates righthanded	GOST 1075-41	Hydro-aerodynamic computations in

(1)	(2)	(3)	(4)	(5)	(6)
plane on the airplane and perpendicular to Ox			Coordinate axes, wind axes		aircraft construction
Axis transversal	Ox ₁		Extends along right wing. System of coordinates righthanded. Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Axis longitudinal	Ox ₂		Extends forward parallel to inertia axis or chord of wing. System of coordinates righthanded. Coordinate axes, body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Performance, by weight	k		$K = \frac{G_{\kappa \cdot \kappa}}{G}$	GOST 1075-41	Hydro aerodynamic computations in

(1)	(2)	(3)	(4)	(5)	(6)
			wherein:		aircraft construction
			$G_{\lambda, \lambda}$ -- useful load		
			G -- useful weight of airplane		
Ratio of length of second link to length of first link	λ_{21}			GOST 2899-45	Theory of mechanisms
Ratio of elasticity moduli of materials	n			OST 90054-40	Building constructions
Reading of limb with "circle left"	L			OST VKS 6203	Astronomy
Reading of limb with "circle right"	R			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Reading of magnetometer or ordinate on magnetogram	n		Symbol n is supplemented by subindices H, Z, D to denote to what instrument the given values refer. For example n_H -- reading of magnetometer, used to measure variation of horizontal component of the terrestrial field	OST VKS 7082	Terrestrial magnetism
Ratio, transmissions	i			GOST 2899-45	Theory of mechanisms
Reading of aneroid	A			OST VKS 6345	Geodesy and cartography
Reading of aneroid with correction for temperature	A ₀			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Reading of horizontal or vertical circle with vertical circle disposed at left	L			OST VKS 6345	Geodesy and cartography
Ratio of air density at elevation to density of air at ground level	$\Delta, \bar{\rho}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Reading of flight altitude from the altimeter	H_1			OST VKS 7144	Aerial photography
Reading of horizontal or vertical circle with vertical circle disposed at right	R			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Reading of micrometer on adjusting hairlines to the lower mark	a			OST VKS 6345	Geodesy and cartography
Reading of micrometer on adjusting hairlines to the higher mark	b			OST VKS 6345	Geodesy and cartography
Error (in length of lines, location of points and value of angles)	Δ		The letter Δ is written before the denotation of a given element; the letter Δ may be supplemented if necessary, below the line at right, by denotation of the element inducing the error, for instance Δ_r	OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Error in distance between the bisectors of micrometer hairlines (in angular values)	δ			OST VKS 6345	Geodesy and cartography
Error, collimator	c			OST VKS 6203	Astronomy
				OST VKS 6345	Geodesy and cartography
Parallax, vertical; transversal parallax	q			OST VKS 7144	Aerial photography
Parallax, horizontal; longitudinal parallax	p			OST VKS 7144	Aerial photography
Parallax of a star, annual	JT			OST VKS 6203	Astronomy
Parallax of the moon at median distance of moon	p_{\oplus}			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
from earth, equatorial horizontal					
Parallax, transversal; vertical parallax	q			OST VKS 7144	Aerial photography
Parallax, longitudinal; horizontal parallax	p			OST VKS 7144	Aerial photography
Parallax of a planet	p			OST VKS 6203	Astronomy
Parallax of the sun at median distance of earth from sun, equatorial horizontal	p_{\odot}			OST VKS 6203	Astronomy
Vapor content of mixture	x		Ratio of mass of vapor to mass of mixture of vapor and liquid	OST VKS 6394	Thermodynamics

(1)	(2)	(3)	(4)	(5)	(6)
Couples, kinematic	(1, 2) (2, 3)	(1-2, 2-3 ...)		GOST 2899-45	Theory of mechanisms
Bearing, true	ρ_N			OST VKS 7144	Aerial photography
Bearing, compass	ρ_K			OST VKS 7144	Aerial photography
Bearing, magnetic	ρ_M			OST VKS 7144	Aerial photography
Displacement, angular or arc	φ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
				OST 2932	Theoretical mechanics
Perimeter	p	u		OST 90054-40	Building constructions
Perimeter, wetted area	χ			GOST 2970-45	Hydromechanics

(1)	(2)	(3)	(4)	(5)	(6)
Perimeter of theodolite traverse	P			OST VKS 7144	Aerial photography
Period	T			GOST 1493-42	General technical quantities
Period, induction	t_0			GOST 2653-44	Sensitometry
Period of magnete oscillation	T			OST VKS 7082	Terrestrial magnetism
Period of oscillations	T			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
				OST VKS 7158	Measurement of time
				OST VKS 6146	Optics

(1)	(2)	(3)	(4)	(5)	(6)
Period of revolution of a heavenly body around the sun	T			OST VKS 6203	Astronomy
Period of one half of complete oscillation; duration of pendulum swing	S, T			OST VKS 6345	Geodesy and cartography
Plane sheet of international grid.					
Dimensions of frame:					
upper base	a				
lower base	b				
lateral side	c				
diagonal	d				
Plane, principal plane	$x_1 z_1$		System of coordinates --	GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
of wings			right handed. Axes of coordinates -- body axes		computations in aircraft construction
Plane, picture; plane of negative	P			OST VKS 7114	Aerial photography
Plane of wings; principal plane	$x_1 z_1$		System of coordinates, right handed. Axes of coordinates -- body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Plane, frontal	yz		System of coordinates -- right handed. Axes of coordinates -- wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Plane of terrain; object plane	T		All elements of lines and points within this plane are denoted by capital Latin letters	OST VKS 7144	Aerial photography
Plane of negative; picture plane	P			OST VKS 7144	Aerial photography
Plane of objective, principal	Q			OST VKS 7144	Aerial photography
Plane, transversal	$\gamma_1 z_1$		System of coordinates -- right handed. Axes of coordinates -- body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Plane of flow	xy		System of coordinates --	GOST 1075-41	Hydro-aerodynamic

(1)	(2)	(3)	(4)	(5)	(6)
Plane, object; plane of terrain	T		right handed. Axes of coordinates -- wind axes		computations in aircraft construction
Plane of symmetry	x_1y_1		All elements of lines and points within this plane are denoted by capital Latin letters	OST VKS 7144	Aerial photography
Plane of sliding	xz		System of coordinates -- right handed. Axes of coordinates -- body axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
			System of coordinates -- right handed. Axes of coordinates -- wind axes	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Plane of transformation; plane of screen	E		All elements of lines and points within this plane are denoted by lower-case Latin letters with the symbol "prime" (a')	OST VKS 71144	Aerial photography
Plane of screen; plane of transformation	E		All elements of lines and points within this plane are denoted by lower-case Latin letters with the symbol "prime" (a')	OST VKS 71144	Aerial photography
Density	e			GOST 2970-45 GOST 1493-42 OST 90054-40	Hydromechanics General technical quantities Building constructions

(1)	(2)	(3)	(4)	(5)	(6)
Density of air	ρ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Density of air at the ground	ρ_0			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Density of fog, optical	D_0			GOST 2653-44	Sensitometry
Density, diffusional optical	D_H		In technological measurements of optical density by means of opal glass densimeter the denotation D in lieu of D_H is permissible.	GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Density of wave length λ , angular; light intensity of mono- chromatic radiant flux of wave length	I_{λ}			OST VKS 6261	Measurement of temperatures
Density of charge, linear	τ			GOST 1494-42	Electrotechnics
Density of charge, volumetric	ρ			GOST 1494-42	Electrotechnics
Density of charge, surface	σ			GOST 1494-42	Electrotechnics
Density, integral optical	D_{Σ}			GOST 2653-44	Sensitometry
Density of intensity in spectrum	Y_{λ}			OST VKS 6350	X-ray technology

(1)	(2)	(3)	(4)	(5)	(6)
Density of magnetic energy	w			OST VKS 6896	Ferromagnetism
Density of magnetic energy, maximum	w_{max}			OST VKS 6896	Ferromagnetism
Density, maximum optical; upper limit of blackening	D_{max}			GOST 2653-44	Sensitometry
Density, optical; optical density of blacking	D			GOST 2653-44	Sensitometry
Density of print, optical	D_r			GOST 2653-44	Sensitometry
Density of base, optical	D_n			GOST 2653-44	Sensitometry
Density of blacking, optical optical density	D			GOST 2653-44	Sensitometry
Density, limit optical	D_{∞}			GOST 2653-44	Sensitometry

(1)	(2)	(3)	(4)	(5)	(6)
Density, regular optical	$D_{ }$			GOST 2653-44	Sensitometry
Density, angular; light intensity of radiant flux	I			OST VKS 6261	Measurement of temperatures
Density, effective optical	D_{φ}			GOST 2653-44	Sensitometry
Area	F	S		GOST 1493-42	General technical quantities
Area	S, F			GOST 2970-45	Hydromechanics
Area of vertical tail group	$S_{\beta 0}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of horizontal tail group	$S_{\alpha 0}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Area of useful section	s, ω			GOST 2970-45	Hydromechanics
Area of keel	S_k			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of wings, carrying	S			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of midship section	S_{m}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of midship section of fuselage	$S_{\text{m. f}}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Area of single aerial photograph	s			OST VKS 7144	Aerial photography
Area of a single aerial photograph, useful	sr			OST VKS 7144	Aerial photography
Area, swept by propeller	F		$F = \frac{\pi}{4} (1 - \xi^2) D^2$ wherein: ξ -- coefficient of inactive portion of propeller D -- diameter of propeller	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of terrain coverage by useful dimension of aerial photograph	S _R			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Area of terrain coverage by one set of aerial photographs	S _a			OST VKS 71144	Aerial photography
Area of terrain coverage by useful area of one set of aerial photographs	S _A			OST VKS 71144	Aerial photography
Area coverage by one aerial photograph on terrain	S			OST VKS 71144	Aerial photography
Area of the unrolled aggregate of aerial photographs taken by a multiple-lensed aerial camera	s _a			OST VKS 71144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Area of rectified or transformed aerial photograph	S_E			OST VKS 7144	Aerial photography
Area of rectified or transformed aerial photograph, useful	S_i			OST VKS 7144	Aerial photography
Area of elevator	S_b			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of rudder	$S_{\mathcal{H}}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of cross section	F, f			GOST 2971-45	Construction mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Area of stabilizer	S_{cm}			OST 90054-40 GOST 1075-41	Building constructions Hydro-aerodynamic computations in aircraft construction
Area of discharge	F			OST VKS 6128	Hydrotechnics
Area of photographing of a single flight	S_N			OST VKS 7144	Aerial photography
Area of trimming tab	S_{mp}			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of photographed sector	S_{Σ}			OST VKS 7144	Aerial photography
Area of diagram	S			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Area of flap	$S_{\underline{u}}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of aileron	$S_{\underline{\vartheta}}$			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Area of conic connection	S			OST VKS 7530	Conic connections
Area of boat or float, wetted	S			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Rotation of negative in its plane around the optical axis	$\underline{\alpha}$			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Absorption of light per centimeter of path	K			OST VKS 6146	Optics
Error of instrument reading	γ			OST VKS 6262	Measurement of pressure
Instrument reading	Pi			OST VKS 6262	Measurement of pressure
Reading of mercury barometer	B			OST VKS 6345	Geodesy and cartography
Reading of clock	T			OST VKS 6203	Astronomy
Index of light quenching	\mathcal{Z}			OST VKS 6146	Optics
Index of absorption	\mathcal{Z}'			OST VKS 6146	Optics
Index of refraction	n		According to OST VKS 6146 indexes of refraction for wave lengths $\lambda_1, \lambda_2, \lambda_3$	OST VKS 6146 OST VKS 6145	Optics Optics

(1)	(2)	(3)	(4)	(5)	(6)
			are denoted by: $n_{\lambda_1}, n_{\lambda_2}, n_{\lambda_3}$		
Index of refraction for line C of hydrogen	n_C			OST VKS 6145	Optics
Index of refraction for line D of sodium	n_D			OST VKS 6145	Optics
Index of refraction for line F of hydrogen	n_F			OST VKS 6145	Optics
Index of refraction for line G' of hydrogen	$n_{G'}$			OST VKS 6145	Optics
Index of refraction of extraordinary wave	n_e			OST VKS 6145	Optics
Index of refraction of ordinary wave	n_o			OST VKS 6146	Optics

(1)	(2)	(3)	(4)	(5)	(6)
Index of refraction of medium preceding the optical system	n		Indexes of refraction of media preceding, 1st, 2nd kth refractive surfaces are denoted by $n_1, n_2 \dots n_k$	OST VKS 6145	Optics
Index of refraction of medium following the optical system	n'		Indexes of refraction of media following, 1st, 2nd kth refractive surfaces are denoted by $n'_1, n'_2 \dots n'_k$	OST VKS 6145	Optics
Field of vision, apparent	$2\beta'$			OST VKS 6145	Optics
Field of vision, true	2β			OST VKS 6145	Optics

(1)	(2)	(3)	(4)	(5)	(6)
Half of apparent field of vision	β'			OST VKS 6145	Optics
Half of true field of vision	β			OST VKS 6145	Optics
Location of zero point	Z, z			OST VKS 7820	Measurement of temperatures
Location of zero point after temperature t	Z_t			OST VKS 6261	Measurement of temperatures
Location of zero point after temperature t in case of thermometer subjected to aging	Z_t			OST VKS 6261	Measurement of temperatures
Location of center of gravity in height	η			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction

(1)	(2)	(3)	(4)	(5)	(6)
Location of center of gravity in length	ξ			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Polarization	P			GOST 1494-42	Electrotechnics
Lowering of zero point after temperature t	d_t			OST VKS 6261	Measurement of temperatures
Lowering of zero point after temperature t, in the case of thermometer subjected to aging	D_t			OST VKS 6261	Measurement of temperatures
Half axis of terrestrial spheroid, major	a			OST VKS 6203	Astronomy
Half axis of terrestrial spheroid, minor	b			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Half axis of orbit, major	a			OST VKS 6203	Astronomy
Half perimeter of a triangle	p		$p = \frac{a+b+c}{2}$ wherein: a, b, c are sides of the triangle	OST VKS 6345	Geodesy and carto- graphy
Pole of plane of velocities	P _v	p		GOST 2899-45	Theory of mechanisms
Pole of plane of accelerations	P _a	U, p _j		GOST 2899-45	Theory of mechanisms
Pole of acceleration bundle	P _v	p		GOST 2899-45	Theory of mechanisms
Pole of acceleration bundle	P _a	U, p _j		GOST 2899-45	Theory of mechanisms

(1)	(2)	(3)	(4)	(5)	(6)
Pole, North	P			OST VKS 6203	Astronomy
Pole, South	P'			OST VKS 6203	Astronomy
Correction	c			OST VKS 6262	Measurement of pressure
Correction for altitude of flight (summative)	ΔH			OST VKS 7144	Aerial photography
Correction for emergent column	C			OST VKS 7820	Measurement of temperatures
Correction for emergent mercury column of thermometer	c			OST VKS 6261	Measurement of temperatures
Correction for earth curvature and refraction	f			OST VKS 6345	Geodesy and carto- graphy

(1)	(2)	(3)	(4)	(5)	(6)
Correction for curvature in representation of geodesic line	δ			OST VKS 6345	Geodesy and carto- graphy
Correction for displacement of zero point	l_z			OST VKS 7820	Measurement of temperatures
Correction for condition of aneroid	a, c_A			OST VKS 6345	Geodesy and carto- graphy
Correction of direction for reduction in seconds of arc	r			OST VKS 6345	Geodesy and carto- graphy
Correction of direction for centering in seconds of arc	c			OST VKS 6345	Geodesy and carto- graphy
Correction of micrometer screw pitch per turn (run)	r			OST VKS 6345	Geodesy and carto- graphy

(1)	(2)	(3)	(4)	(5)	(6)
Correction of clock with respect to Greenwich time	U			OST VKS 6203	Astronomy
Correction of clock with respect to local time	u			OST VKS 6203	Astronomy
Correction of aneroid graduation	c			OST VKS 6345	Geodesy and carto- graphy
Porosity	n			OST 90054-40	Building constructions
Order of diffractional image	n			OST VKS 6350	X-Ray technology
Constant of time	z			OST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Constant, gas	R			GOST 1493-42	General technical quantities
Constant, gas	R		Denotation for 1 Kg In denotation of quantity for 1 Kg - mole, it is preceded, if necessary, by the letter μ	OST VKS 6394	Thermodynamic
Constant, Gauss'	k			OST VKS 6203	Astronomy
Constant of annual aberration	k			OST VKS 6203	Astronomy
Constant of range finder; coefficient of range finder	C			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Constant, dielectric; dielectric permeability	ϵ			GOST 1494-42	Electrotechnics
Constant of displacement law. Law of Wien	c			OST VKS 6146	Optics
Constant of Stefan - Boltzmann law	σ			OST VKS 6146	Optics
Constant of attenuation	β			GOST 1494-42	Electrotechnics
Constant of development kinetics	K_{np}			GOST 2653-44	Sensitometry
Constant of magnetometer	ϵ		The symbol ϵ is supplemented by subindices H, Z, D to denote to which instrument the given quantity refers to. For example	OST VKS 7082	Terrestrial magnetism

(1)	(2)	(3)	(4)	(5)	(6)
			ϵ_H -- the constant of magnito- meter used to measure variation of the horizontal component of terrestrial field		
Constant of continuous wedge	K			GOST 2653-44	Sensitometry
Constant of mutation	N			OST VKS 6203	Astronomy
Constant of Newtonian attraction	f			OST VKS 6203	Astronomy
Constant of Planck	h			GOST 1493-42	General technical quantities
Constant of Planck, quantum	h			OST VKS 6146	Optics

(1)	(2)	(3)	(4)	(5)	(6)
Constant of precession	P			OST VKS 6203	Astronomy
Constant of wave propagation	γ		$\gamma = j\alpha + \beta$ wherein: α - constant of phase difference β - constant of attenuation j is $\sqrt{-1}$	GOST 1494-42	Electrotechnics
Constant of phase difference	α			GOST 1494-42	Electrotechnics
Constant of stepped wedge	K_c			GOST 2653-44	Sensitometry
Constant of daily aberration	k'			OST VKS 6203	Astronomy

(1)	(2)	(3)	(4)	(5)	(6)
Constant of equations of Planck and Wien	C_2			OST VKS 7820	Measurement of temperatures
Constant of the equation of Wien and Planck, second	C_2		$C_2 = 1.432 \text{ cm} - \text{degrees}$	OST VKS 6261	Measurement of temperatures
Constant of equation of Stefan - Boltzmann	σ			OST VKS 6261	Measurement of temperatures
Constants of Bessel, sidereal	a, b, c, d a', b', c', d'			OST VKS 6203	Astronomy
Constants, equatorial Gauss'	A, B, C a, b, c			OST VKS 6203	Astronomy
Pitch of propeller, relative; coefficient	λ		$\lambda = \frac{V}{n_s D}$ wherein:	GOST 1075-41	Hydro-aerodynamic computations in air-

(1)	(2)	(3)	(4)	(5)	(6)
of propeller speed			V - velocity of flight (or flow) n _g - number of rotations per second D - diameter of propeller		craft construction
Potential, vector	A			GOST 1494-42	Electrotechnics
Potential, complex	w, W			GOST 2970-45	Hydromechanics
Potential, velocity	φ, Φ			GOST 2970-45	Hydromechanics
Potential, thermodynamic	Φ			OST VKS 6394	Thermodynamics
Potential, thermodynamic	φ		Denotation for 1 kg In denotation for 1 kg - mole it is preceded, if necessary, by the letter μ .	OST VKS 6394	Thermodynamics
Potential, electric	φ			GOST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Losses by hysteresis; power in hysteresis	P_h			OST VKS 6896	Ferromagnetism
Losses by hysteresis and Foucault currents; power in hysteresis and Foucault currents	P_{hf}			OST VKS 6896	Ferromagnetism
Losses by hysteresis and Foucault currents, volumetric; volumetric power in hysteresis and Foucault currents	P_{hfv}			OST VKS 6896	Ferromagnetism
Losses by hysteresis and Foucault currents, specific; specific power in hysteresis and Foucault currents	P_{hf}			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Losses by hysteresis, volumetric; volumetric power in hysteresis	P_{hv}			OST VKS 6896	Ferromagnetism
Losses by hysteresis, specific; specific power in hysteresis	P_h			OST VKS 6896	Ferromagnetism
Losses by Foucault currents; power in Foucault currents	P_f			OST VKS 6896	Ferromagnetism
Losses by Foucault currents, volumetric; volumetric power in Foucault currents	P_{fv}			OST VKS 6896	Ferromagnetism
Losses by Foucault current, specific; specific power in Foucault currents	p			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Loss of light in body by absorption, ex- pressed in parts of flux striking the body	A			OST VKS 6146	Optics
Flux, magnetic	Φ	Ψ		GOST 1494-42	Electrotechnics
Flux, monochromatic photoactinic	A_λ			GOST 2653-44	Sensitometry
Flux, light	Φ			GOST 1493-42	General technical quantities
Flux, light	F			OST VKS 7637	Light measurements
				GOST 2653-44	Sensitometry
Flux, thermal	Φ			GOST 1493-42	General technical quantities

(1)	(2)	(3)	(4)	(5)	(6)
Current of electrical induction; current of electrical displacement	Ψ			GOST 1494-42	Electrotechnics
Current of electrical displacement; current of electrical induction	Ψ			GOST 1494-42	Electrotechnics
Ceiling, practical	H_n			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Ceiling, theoretical	H_m			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Ceiling of airplane, absolute	H_m			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Ceiling of airplane, practical	H_p			OST VKS 7144	Aerial photography
Transcendence of one point of earth sur- face above another; difference of altitude	h			OST VKS 6345	Geodesy and carto- graphy
Transcendence of one terrain point above another; difference of altitude	h			OST VKS 7144	Aerial photography
Transcendence of average relief level of terrain above airdrome	h_a			OST VKS 7144	Aerial photography
Transcendence of average relief level of terrain above sea level	h_o			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Limit of durability for asymmetric cycles	σ_k			GOST 2971-45	Construction mechanics
Limit of durability for symmetric cycles	σ_{-1}			GOST 2971-45	Construction mechanics
Limit of blacking, upper; maximum optic density	D_{\max}			GOST 2653-44	Sensitometry
Limit of proportionality	σ_{ny}	σ_n		GOST 2971-45	Construction mechanics
Limit of proportionality	σ_{np}			GOST 90054-40	Building constructions
Limit of strength; temporary resistance	σ_{ny}	σ_B		GOST 2971-45	Construction mechanics
Limit of strength; temporary resistance	σ_n			GOST 90054-40	Building constructions
Yield point	σ_T			GOST 2971-45	Construction mechanics

(1)	(2)	(3)	(4)	(5)	(6)
Yield point	σ_m			OST 90054-40	Building constructions
Limit of elasticity	σ_y			OST 90054-40	Building constructions
Limit of elasticity	$\sigma_{y\bar{v}}$			GOST 2971-45	Construction mechanics
Precession, lunisolar	ψ'			OST VKS 6203	Astronomy
Precession, general	ψ			OST VKS 6203	Astronomy
Precession from planets	Θ			OST VKS 6203	Astronomy
Reduction of zenith distance of planet to meridian	r			OST VKS 6203	Astronomy
Reduction to the ecliptic	σ			OST VKS 6203	Astronomy
Landing run; length of landing run	L	L_{np}		GOST 1075-41	Hydro-aerodynamic computations in air- craft construction

(1)	(2)	(3)	(4)	(5)	(6)
Conductance	σ			GOST 1191-12	Electrotechnics
Conductivity of dielectric for direct current, volumetric electrical	σ_{v} , ϵ_{v}			OST VKS 7771	Electrotechnics
Conductivity of dielectric for direct current, surface electrical	σ_{s} , ϵ_{s}			OST VKS 7771	Electrotechnics
Conductivity of dielectric for direct current, electric	G_{v} , ϵ_{v}		The corresponding conductances (for alternating current) are denoted by the same symbols but without the index - (dash), namely, G_{v} , ϵ_{v} ; G_{s} , ϵ_{s} ; G , ϵ	OST VKS 7771	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Conductivity, magnetic	g			GOST 1494-42	Electrotechnics
Conductivity, absolute	y			GOST 1494-42	Electrotechnics
Conductivity, absolute (complex expression)	$y = g - jb$		wherein: g - conductance b - susceptance $j = \sqrt{-1}$	GOST 1494-42	Electrotechnics
Conductivity for direct current, specific volumetric electric	γ_v			OST VKS 7771	Electrotechnics
Conductivity for direct current, specific sur- face, electric	γ_s		The corresponding con- ductances (for alternating current) are denoted by the same symbols, but without the index - (dash), namely γ_v, γ_s	OST VKS 7771	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Susceptance	b			GOST 1494-42	Electrotechnics
Conductivity, specific	γ			GOST 1494-42	Electrotechnics
Duration of pendulum swing; period of one half on complete oscillation	S, T			OST VKS 6345	Geodesy and cartography
Projection of base on coordinate axes or planes	b_x, b_y, b_z			OST VKS 7114	Aerial photography
Projection of principal point of aerial photograph on terrain, central	0			OST VKS 7114	Aerial photography
Projection of the direction of principal vertical on terrain	V - V'			OST VKS 7114	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Projection of radius of useful area on terrain	R			OST VKS 7144	Aerial photography
Projection of point of nadir of aerial photograph on terrain	N			OST VKS 7144	Aerial photography
Projection of point of zero distortions of aerial photograph on terrain	C			OST VKS 7144	Aerial photography
Projection of angle α on coordinate plane XOY	α_z			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Projection of angle α on coordinate plane ZOY	α_y			OST VKS 7144	Aerial photography
Projection of angle α on coordinate plane ZOY	α_x			OST VKS 7144	Aerial photography
Projection of angle β on plane XOY	β_z			OST VKS 7144	Aerial photography
Projection of angle β on plane ZOY	β_y			OST VKS 7144	Aerial photography
Projection of angle β on plane ZOY	β_x			OST VKS 7144	Aerial photography
Projection of angle (α) of inclination on vertical plane,	α_x			OST VKS 7144	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
perpendicular to the longitudinal symmetry axis of the airplane; transversal bank					
Projection of angle (α) of inclination on vertical plane passing through the longitudinal symmetry axis of the airplane; longitudinal inclination	α_y			OST VKS 7144	Aerial photography
Permeability, active; effective permeability	μ_c			OST VKS 6896	Ferromagnetism
Permeability, differential magnetic	μ_d			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Permeability, dielectric; dielectric constant	ϵ			GOST 1494-42	Electrotechnics
Permeability, magnetic	μ			GOST 1494-42	Electrotechnics
Permeability, maximum magnetic	μ_{max}			OST VKS 6896	Ferromagnetism
Permeability for individual cycle, magnetic; mean magnetic permeability	μ_{Δ}			OST VKS 6896	Ferromagnetism
Permeability, initial magnetic	μ_a			OST VKS 6896	Ferromagnetism
Permeability, reversible magnetic	μ_r			OST VKS 6896	Ferromagnetism

(1)	(2)	(3)	(4)	(5)	(6)
Permeability, mean magnetic; magnetic permeability for individual cycle	μ_{Δ}			OST VKS 6896	Ferromagnetism
Permeability of a body, magnetic	μ_0		Index ∞ (zero in hori- zontal position) is pro- nounced "of a body", thus "mu of body"	OST VKS 6896	Ferromagnetism
Permeability, effective; active permeability	μ_e			OST VKS 6896	Ferromagnetism
Proportionality of repro- duction, expressed by ratio of latitude of photographic paper to graduation	π			OST VKS 7114	Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Point, astronomically determined	★			OST VKS 7144	Aerial photography
Path	s	l		GOST 1493-42	General technical quantities
Path of link point	s			OST 90054-40	Building constructions
Work	A	W, L		GOST 2899-45	Theory of mechanisms
Work	A, W			GOST 1493-42	General technical quantities
Work	W, A			GOST 2899-45	Theory of mechanisms
Work	W, A			GOST 2971-45	Construction mechanics
Work	W	A		OST 90054-40	Building constructions
Work	W, L			GOST 2970-45	Hydromechanics

(1)	(2)	(3)	(4)	(5)	(6)
Work	W	L		OST VKS 6394	Thermodynamics
Work	W			OST 2932	Theoretical mechanics
Work	<i>w</i>		Denotation for 1 Kg In denotation of quantity for 1 Kg - mole, it is preceded, if necessary, by the letter <i>μ</i>	OST VKJ 6394	Thermodynamics
Radius	r			GOST 1493-42	General Technical quantities
				GOST 90054-40	Building constructions
Radius	r,R			GOST 2970-45	Hydromechanics

(1)	(2)	(3)	(4)	(5)	(6)
Radius - vector	e, r			GOST 2899-45	Theory of mechanisms
Radius - vector of earth at moment i_i , where $i = 1, 2, 3...$	R_i			GOST 2971-45	Construction mechanics
Radius - vector at certain point a	r_a			GOST 2971-45	Construction mechanics
Radius - vector of heavenly body	r			GOST VKS 6203	Astronomy
				OST VKS 7114	Aerial photography
				OST VKS 6203	Astronomy

$$r = \sqrt{x^2 + y^2 + z^2}$$

where:

x, y, z - rectangular
geocentric equatorial
coordinates of heavenly
bodies

(1)	(2)	(3)	(4)	(5)	(6)
Radius - vector, polar (polar coordinates)	ρ, r			GOST 2971-45	Construction mechanics
Radius - vector of point of earth surface, expressed in parts of major half-axis of terrestrial spheroid	ρ			GOST VKS 6203	Astronomy
Radius of propeller	R			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Radius of propeller, relative	\bar{r}		$\bar{r} = \frac{r}{R}$ wherein: r - running radius of propeller R - radius of propeller	GOST 1075-41	Hydro-aerodynamic computations in aircraft construction

(1)	(2)	(3)	(4)	(5)	(6)
Radius of propeller, running	r			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Radius of veering	R			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Radius of airplane range, rated	R_V			OST VKS 7144	Aerial photography
Radius of airplane range, actual	R_W			OST VKS 7144	Aerial photography
Radius of inertia	i			OST 2932	Theoretical mechanics
Radius of inertia of link	ρ			GOST 2899-45	Theory of mechanisms

(1)	(2)	(3)	(4)	(5)	(6)
Radii of inertia with respect to axes X, Y, Z	r_x, r_y, r_z i_x, i_y, i_z			GOST 2971-45	Construction mechanics
Radius of inertia of section with respect to axes X, Y, Z	r_x, r_y, r_z			OST 90054-40	Building construction
Radius of curvature	ρ	r		GOST 2971-45	Construction mechanics
Radius of curvature	ρ			OST 90054-40	Building construction
				GOST 2899-45	Theory of mechanisms
Radius of curvature of meridian section of terrestrial spheroid	M			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Radius of curvature of normal section of azimuth A	ρ_A			OST VKS 6345	Geodesy and cartography
Radius of curvature of section of terrestrial spheroid perpendicular to the meridian section	N			OST VKS 6345	Geodesy and cartography
Radius of curvature, mean	R		$R = \sqrt{MN}$ wherein: M - radius of curva- ture of meridian section of terrestrial spheroid	OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
			N - radius of curvature of section of terrestrial spheroid perpendicular to the meridian section		
Radius, metacentric	ρ			GOST 1075-41	Hydro aerodynamic computations in air-craft construction
Radius, metacentric transversal	ρ'_B			GOST 1075-41	Hydro aerodynamic computations in air-craft construction
Radius, metacentric longitudinal	ρ_L			GOST 1075-41	Hydro aerodynamic computations in air-craft construction
Radius of parallel	r			OST VKS 6345	Geodesy and cartography

(1)	(2)	(3)	(4)	(5)	(6)
Radius of useful area of aerial photography	r			OST VKS 7144	Aerial photography
Radius of the Sun, geocentric angular	R_{\odot}			OST VKS 6203	Astronomy
Radius of a spherical	r		Radii of a 1st, 2nd, ... k -th spherical surfaces are denoted by: $r_1,$ $r_2 \dots r_k$	OST VKS 6145	Optics
Radius of a pipe, external	r_e			OST VKS 6128	Hydrotechnics
Radius of circulation	$R_{\frac{2}{3}}$			GOST 1075-41	Hydro aerodynamic computations in air- craft construction

(1)	(2)	(3)	(4)	(5)	(6)
Take off run; length of take off run	L	L_{pas}		GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Span of horizontal tail group	$l_{2.0}$			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Span of wings	l			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction
Span of aileron	l_3			GOST 1075-41	Hydro-aerodynamic computations in air- craft construction

(1)	(2)	(3)	(4)	(5)	(6)
Dimension of aerial photograph, transversal useful	d_y		Side of useful dimensions of aerial photograph in the direction perpendicular to the photographic route	OST VKS 7144	Aerial photography
Dimension of aerial photograph, longitudinal useful	d_x		Side of useful dimension of aerial photograph in the direction of the photographic route	OST VKS 7144	Aerial photography
Interval of floats	2b			GOST 1075-41	Hydro-aerodynamic computations in aircraft construction
Difference of altitudes; transcendence of one terrain point above another	h			OST VKS 6345 OST VKS 7144	Geodesy Aerial photography

(1)	(2)	(3)	(4)	(5)	(6)
Difference of altitude within one aerial photograph, average	h_m			OST VKS 7144	Aerial photography
Difference of geographic longitudes (astronomical)	$\Delta\lambda$			OST VKS 6345	Geodesy and cartography
Difference of geographic latitudes (astronomical)	$\Delta\varphi$			OST VKS 6345	Geodesy and cartography
Difference of geodesic longitudes	ΔL			OST VKS 6345	Geodesy and cartography
Difference of geodesic latitudes	ΔB			OST VKS 6345	Geodesy and cartography
Difference of potentials	u	e		CGST 1494-42	Electrotechnics

(1)	(2)	(3)	(4)	(5)	(6)
Difference of phases of voltage and current; displacement of phase between current and voltage	φ			GOST 1494-42	Electrotechnics
Difference of phases of two oscillations	δ			GOST VKS 6146	Optics
Difference of paths of two rays, optical	Δ		Difference of products, of the distances covered by two rays, by the corresponding indexes of refraction	GOST VKS 6146	Optics
Rarefaction; vacuum	P_h			GOST VKS 6262	Measurement of pressure