Symbol	Typ	Titel
G	**Sektion**	**SECTION G — PHYSICS**
G06	**Klasse**	**COMPUTING; CALCULATING; COUNTING (score computers for games A63B 71/06, A63D 15/20, A63F 1/18; combinations of writing implements with computing devices B43K 29/08)**
G06G	**Unterklasse**	**ANALOGUE COMPUTERS (analogue optical computing devices G06E 3/00; computer systems based on specific computational models G06N)**
G06G 1/00	**Hauptgruppe**	**Hand-manipulated computing devices (planimeters G01B 5/26)**
G06G 1/02	1-Punkt Untergruppe	. Devices in which computing is effected by adding, subtracting, or comparing lengths of parallel or concentric graduated scales
G06G 1/04	2-Punkt Untergruppe	. . characterised by construction (G06G 1/10 takes precedence)
G06G 1/06	3-Punkt Untergruppe	. . . with rectilinear scales, e.g. slide rule
G06G 1/08	3-Punkt Untergruppe	. . . with circular or helical scales
G06G 1/10	2-Punkt Untergruppe	. . characterised by the graduation
G06G 1/12	3-Punkt Untergruppe	. . . logarithmic graduations, e.g. for multiplication
G06G 1/14	1-Punkt Untergruppe	. in which a straight or curved line has to be drawn from given points on one or more input scales to one or more points on a result scale
G06G 1/16	1-Punkt Untergruppe	. in which a straight or curved line has to be drawn through related points on one or more families of curves
G06G 3/00	**Hauptgruppe**	**Devices in which the computing operation is performed mechanically (G06G 1/00 takes precedence)**
G06G 3/02	1-Punkt Untergruppe	. for performing additions or subtractions, e.g. differential gearing
G06G 3/04	1-Punkt Untergruppe	. for performing multiplications or divisions, e.g. variable-ratio gearing
G06G 3/06	1-Punkt Untergruppe	. for evaluating functions by using cams and cam followers
G06G 3/08	1-Punkt Untergruppe	. for integrating or differentiating, e.g. by wheel and disc
G06G 3/10	1-Punkt Untergruppe	. for simulating specific processes, systems, or devices
G06G 5/00	**Hauptgruppe**	**Devices in which the computing operation is performed by means of fluid-pressure elements (such elements in general F15C)**
G06G 7/00	**Hauptgruppe**	**Devices in which the computing operation is performed by varying electric or magnetic quantities (neural networks for image data processing G06T; speech analysis or synthesis G10L)**
G06G 7/02	1-Punkt Untergruppe	. Details not covered by groups G06G 7/04-G06G 7/10
G06G 7/04	1-Punkt Untergruppe	. Input or output devices (graph readers G06K 11/00; using function plotters, co-ordinate plotters G06K 15/22)
G06G 7/06	1-Punkt Untergruppe	. Programming arrangements, e.g. plugboard for interconnecting functional units of the computer; Digital programming
G06G 7/10	1-Punkt Untergruppe	. Power supply arrangements
G06G 7/12	1-Punkt Untergruppe	. Arrangements for performing computing operations, e.g. amplifiers specially adapted therefor (amplifiers in general H03F)
G06G 7/122	2-Punkt Untergruppe	. . for optimisation, e.g. least square fitting, linear programming, critical path analysis, gradient method [2]
G06G 7/14	2-Punkt Untergruppe	. . for addition or subtraction (of vector quantities G06G 7/22)
G06G 7/16	2-Punkt Untergruppe	. . for multiplication or division

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G06G 7/161	3-Punkt Untergruppe	. . . with pulse modulation, e.g. modulation of amplitude, width, frequency, phase, or form [2]
G06G 7/162	3-Punkt Untergruppe	. . . using galvano-magnetic effects, e.g. Hall effect; using similar magnetic effects [2]
G06G 7/163	3-Punkt Untergruppe	. . . using a variable impedance controlled by one of the input signals, variable amplification or transfer function [2]
G06G 7/164	3-Punkt Untergruppe	. . . using means for evaluating powers, e.g. quarter square multiplier (evaluating powers G06G 7/20) [3]
G06G 7/18	2-Punkt Untergruppe	. . for integration or differentiation (G06G 7/19 takes precedence) [3]
G06G 7/182	3-Punkt Untergruppe	. . . using magnetic elements [3]
G06G 7/184	3-Punkt Untergruppe	. . . using capacitive elements [3]
G06G 7/186	4-Punkt Untergruppe	. . . . using an operational amplifier comprising a capacitor or a resistor in the feedback loop [3]
G06G 7/188	3-Punkt Untergruppe	. . . using electromechanical elements [3]
G06G 7/19	2-Punkt Untergruppe	. . for forming integrals of products, e.g. Fourier integrals, Laplace integrals, correlation integrals; for analysis or synthesis of functions using orthogonal functions (Fourier or spectrum analysis G01R 23/16) [3]
G06G 7/195	3-Punkt Untergruppe	. . . using electro-acoustic elements [3]
G06G 7/20	2-Punkt Untergruppe	. . for evaluating powers, roots, polynomes, mean square values, standard deviation (G06G 7/122, G06G 7/28 take precedence; gamma correction in television systems H04N 5/202, H04N 9/69) [3]
G06G 7/22	2-Punkt Untergruppe	. . for evaluating trigonometric functions; for conversion of co-ordinates; for computations involving vector quantities (trigonometric computations using simultaneous equations G06G 7/34)
G06G 7/24	2-Punkt Untergruppe	. . for evaluating logarithmic or exponential functions, e.g. hyperbolic functions
G06G 7/25	2-Punkt Untergruppe	. . for discontinuous functions, e.g. backlash, dead zone, limiting, absolute value, or peak value [2]
G06G 7/26	2-Punkt Untergruppe	. . Arbitrary function generators (using orthogonal functions, e.g. Fourier series, G06G 7/19; using curve follower G06K 11/02)
G06G 7/28	3-Punkt Untergruppe	. . . for synthesising functions by piecewise approximation
G06G 7/30	2-Punkt Untergruppe	. . for interpolation or extrapolation (G06G 7/122 takes precedence) [2]
G06G 7/32	2-Punkt Untergruppe	. . for solving of equations
G06G 7/34	3-Punkt Untergruppe	. . . of simultaneous equations (G06G 7/122 takes precedence) [2]
G06G 7/36	3-Punkt Untergruppe	. . . of single equations of quadratic or higher degree (G06G 7/22, G06G 7/24 take precedence)
G06G 7/38	3-Punkt Untergruppe	. . . of differential or integral equations
G06G 7/40	4-Punkt Untergruppe	. . . . of partial differential equations (simulating specific devices G06G 7/48)
G06G 7/42	5-Punkt Untergruppe	. . . . . using electrolytic tank
G06G 7/44	5-Punkt Untergruppe	. . . . . using continuous medium, current-sensitive paper
G06G 7/46	5-Punkt Untergruppe	. . . . . using discontinuous medium, e.g. resistance network
G06G 7/48	1-Punkt Untergruppe	. Analogue computers for specific processes, systems, or devices, e.g. simulators [2]
G06G 7/50	2-Punkt Untergruppe	. . for distribution networks, e.g. for fluids (G06G 7/62 takes precedence)
G06G 7/52	2-Punkt Untergruppe	. . for economic systems; for statistics (G06G 7/122, G06G 7/19, G06G 7/20 take precedence) [3]

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G06G 7/54	2-Punkt Untergruppe	. . for nuclear physics, e.g. nuclear reactors, radioactive fallout
G06G 7/56	2-Punkt Untergruppe	. . for heat flow (G06G 7/58 takes precedence)
G06G 7/57	2-Punkt Untergruppe	. . for fluid flow (G06G 7/50 takes precedence)
G06G 7/58	2-Punkt Untergruppe	. . for chemical processes (G06G 7/75 takes precedence)
G06G 7/60	2-Punkt Untergruppe	. . for living beings, e.g. their nervous systems
G06G 7/62	2-Punkt Untergruppe	. . for electric systems or apparatus
G06G 7/625	3-Punkt Untergruppe	. . . for impedance networks, e.g. determining response, determining poles or zeros, determining the Nyquist diagram (measuring impedance G01R 27/00) [2]
G06G 7/63	3-Punkt Untergruppe	. . . for power apparatus, e.g. motors, or supply distribution networks [2]
G06G 7/635	4-Punkt Untergruppe	. . . . for determining the most economical distribution in power systems [2]
G06G 7/64	2-Punkt Untergruppe	. . for non-electric machines, e.g. turbine
G06G 7/66	2-Punkt Untergruppe	. . for control systems
G06G 7/68	2-Punkt Untergruppe	. . for civil-engineering structures, e.g. beam, strut, girder
G06G 7/70	2-Punkt Untergruppe	. . for vehicles, e.g. to determine permissible loading of ships
G06G 7/72	3-Punkt Untergruppe	. . . Flight simulators (Link trainers G09B 9/08)
G06G 7/75	2-Punkt Untergruppe	. . for component analysis, e.g. of mixtures, of colours (G06G 7/122 takes precedence) [2]
G06G 7/76	2-Punkt Untergruppe	. . for traffic
G06G 7/78	2-Punkt Untergruppe	. . for direction-finding, locating, distance or velocity measuring, or navigation systems
G06G 7/80	2-Punkt Untergruppe	. . for gun-laying; for bomb aiming; for guiding missiles [2]