

| Symbol           | Typ                 | Titel                                                                                                                                                                         |
|------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>G</b>         | <b>Sektion</b>      | <b>PHYSICS</b>                                                                                                                                                                |
| <b>G06</b>       | <b>Klasse</b>       | <b>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)</b> |
| <b>G06G</b>      | <b>Unterklasse</b>  | <b>ANALOGUE COMPUTERS (analogue optical computing devices G06E 3/00; computer systems based on specific computational models G06N)</b>                                        |
| <b>G06G 1/00</b> | <b>Hauptgruppe</b>  | <b>Hand-manipulated computing devices (planimeters G01B 5/26)</b>                                                                                                             |
| 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                                                                 |
| <b>G06G 3/00</b> | <b>Hauptgruppe</b>  | <b>Devices in which the computing operation is performed mechanically (G06G 1/00 takes precedence)</b>                                                                        |
| 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                                                                                                                      |
| <b>G06G 5/00</b> | <b>Hauptgruppe</b>  | <b>Devices in which the computing operation is performed by means of fluid-pressure elements (such elements in general F15C)</b>                                              |
| <b>G06G 7/00</b> | <b>Hauptgruppe</b>  | <b>Devices in which the computing operation is performed by varying electric or magnetic quantities (neural networks for image data processing G06T)</b>                      |
| G06G 7/02        | 1-Punkt Untergruppe | . Details not covered by groups G06G 7/04 to 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; speech analysis or synthesis G10L) [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]                                                                                             |