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control panel program

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set many system parameters, such as keyboard and mouse characteristics, monitor resolution, and printer settings. Also called control panel program.

control panel program Same as control panel (2).

- control parallel A computer architecture in which multiple processors simultaneously and independently execute different instructions on different sets of data. Also called multiple instruction stream-multiple data stream.
- control point In an automatic control system, the target value towards which the system makes adjustments. In the case of a thermostat, for instance, it would be a given temperature.

control processor A processor used in a control system.

- control program A program which controls the operations of a computer, performing tasks such as managing system resources. An operating system is an example of such a program.
- control register In a CPU, a register that contains the address of the location in memory that is to be accessed by the next instruction. May also refer to the address of the current instruction. Also called by various other names, including control counter, current-instruction register, program counter, program register, instruction register, instruction counter, and sequence register.
- control rod A material utilized to control the reactivity of a nuclear reactor by absorbing neutrons. Examples include gadolinium, boron, and europium.
- control room A room which houses the necessary devices and equipment to monitor and control a facility such as a TV recording studio or a nuclear power plant.
 - control sequence The order in which computer instructions are executed. For instance, the sequence followed while performing a given task.
- control signal 1. A signal utilized to control a device or process. In a computer, for instance, such a signal may be an interrupt request. 2. In telecommunications, a signal that transmits control information. For example, a customer picks up a telephone receiver, hears a dial tone, dials a sequence of digits, and then gets a busy signal. All the tones heard are control signals.
- control statement 1. A computer statement which controls the flow of execution of a program. For instance, an IF-THEN statement. 2. Same as control instruction.
- control station Within a communications network, the station that manages all operations, such as the orderly flow of traffic.
- control system A system utilized to maintain one or more output quantities within specified parameters. In a closedloop control system, a feedback signal is incorporated for this purpose, while in an open-loop control system there is no such feedback. The components of a control system may be electrical, mechanical, thermal, and so on.
- control total A total, composed of several numbers taken from a file, which is calculated before, during, and after processing. The numbers utilized to calculate the total do not necessarily have to be taken from numeric data. Control totals are used to verify the accuracy of processed data, or to help ensure that transmitted messages have not been tampered with. At all stages the calculated totals must match, otherwise there is an error. Also called hash total.
- control track A track on a recordable magnetic medium, such as a tape or a disk, containing control signals such as tape playback speed.
- control transformer A transformer utilized to supply a control device.
- control unit 1. In a computer, circuitry that performs control functions such as sending control signals, interpreting program instructions handling nerinherals, or managing access

to memory locations. 2. A unit which controls a given mechanism, piece of equipment, function, process, or system.

- control winding A winding that carries a current that controls the output of a machine.
- control word A computer word which stores information used for a control function.
- controlled-avalanche device A semiconductor device with precisely defined avalanche voltage characteristics. Such devices can absorb repeated momentary power surges without damage.
- controlled-avalanche diode A semiconductor diode with precisely defined avalanche voltage characteristics. Such diodes can absorb repeated momentary power surges without damage, and can be used, for instance, for surge suppression.
- controlled-carrier modulation A type of amplitude modulation in which the amplitude of the carrier wave is varied according to the percentage of modulation, providing for an essentially constant modulation factor. Also called floatingcarrier modulation, or variable-carrier modulation.
- controlled environment An enclosure, such as a room, in which measures are taken to provide an environment that meets certain requirements, such as maintaining a specified level of temperature and/or humidity, guarding against static electricity or electromagnetic radiation, or isolating from dust. Such environments may be used, for instance, for testing, or to protect sensitive electronic equipment.
- controlled-path robot A robot whose movements are dictated by a controlled-path system.
- controlled-path system A computer control system in which a path of movement is numerically described. Used, for instance, in robotics.
- controlled rectifier A rectifier, such as a silicon-controlled rectifier, whose output current may be regulated.
- controller 1. A circuit board or device which controls the way peripheral devices access the computer, and vice versa. It is usually contained on a single chip. Examples include disk controllers, graphics controllers, and video controllers. Also called peripheral controller, or host adapter. 2. A signal, circuit, device, or system which controls any given mechanism, function, process, or piece of equipment. An example is an infrared remote control for electronic equipment. 3. A circuit, mechanism, device, or system, which monitors one or more variables, and automatically makes the necessary adjustments in order to maintain operation within the specified parameters. Also known as automatic controller. 4. The computer and programs which control a robot. Also called controller system, or robot controller.
- controller card A circuit board which controls the way peripheral devices access the computer, and vice versa. amples include disk controllers, graphics controllers, and SCSI controllers.
- controller system 1. A system which monitors one or more variables, and automatically makes the necessary adjustments, in order to maintain operation within the specified parameters. 2. Same as controller (4).
- convection The transmission of energy or matter through a medium, which is itself moved. For instance, in convection cooling, the air transferring the heat moves along with the heat. This contrasts with conduction, where the medium itself is not moved as a whole, and with radiation, where waves or particles are emitted.
- convection cooling A process by which an object transfers heat to the surrounding air. The heated air is less dense, hence moving upward so that cooler air is then available for further cooling. Used, for instance, to cool components which generate heat, such as transistors.

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