IEEE Standard Dictionary of Electrical and Electronics Terms

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ments of an electrolytic cell from each other or from to locate either a malfunction in the computer or a mistake in coding. See: programmed check. 210 an intermediate compartments for the purpose of preventing admixture of anolyte and catholyte. See: elec-(2) (test, measurement and diagnostic equipment). A logical sequence of tests designed to locate a malfunctrolytic cell. diathermy (medical electronics). The therapeutic use tion in the unit under test. of alternating currents to generate heat within some diagnostic test (1) (ATLAS). A test applied to a unit under test (UUT) with the purpose of isolating a fault part of the body, the frequency being greater than the 400 maximum frequency for neuromuscular response. to a lower level of assembly. (2) (test, measurement and diagnostic equipment). A test performed for the purpose of isolating a malfuncdibit (data transmission). Two bits; two binary digits. tion in the unit under test or confirming that there dichotomizing search. See: binary search. actually is a malfunction. dial (1) (industrial control). A plate or disk, suitably dichroic filter (fiber optics). An optical filter designed marked, that served to indicate angular position, as for to transmit light selectively according to wavelength (most often, a high-pass or low-pass filter). See: optiexample the position of a handwheel. cal filter. (2) (automatic control). A type of calling device used in automatic switching that, when wound up and redichroic mirror (fiber optics). A mirror designed to reflect light selectively according to wavelength. See: leased, generates pulses required for establishing condichroic filter. nections. dialing (telephone switching systems). The act of using dichromate cell. A cell having an electrolyte consisting of a solution of sulphuric acid and a dichromate. See: :55 a calling device. dialing pattern (telephone switching systems). The electrochemistry. implementation of a numbering plan with reference to die (semiconductor). See: chip; semiconductor. dielectric (surge arresters). A medium in which it is an individual automatic exchange. dial-mobile telephone system (mobile communicapossible to maintain an electric field with little or no tion). A mobile communication system that can be supply of energy from outside sources. dielectric constant (1) (dielectric). That property interconnected with a telephone network by dialing, or a mobile communication system connected on a which determines the electrostatic energy stored per unit volume for unit potential gradient. Note: This dial basis with a telephone network. See: mobile comnumerical value usually is given relative to a vacuum. munication system. See: dielectric heating. dial pulse (telephony)(dial-pulse address signaling (2) (antennas). The real part of the complex dielectric systems). A momentary interruption or change in the constant. direct-current path of a signalling system to provide dielectric dissipation factor. (1) The cotangent of the address information. dielectric phase angle of a dielectric material or the dial pulsing (telephony)(dial-pulse address signaling systems). A means of transmitting the address teletangent of the dielectric loss angle. See: dielectric phone number over a direct-current path. The current heating. (2) The ratio of the loss index ϵn to the relative dielectric constant ϵ . See: relative complex dieis interrupted, at the transmitting end, in a regular, momentary pattern. The number of interruptions corlectric constant. dielectric filter. See: interference filter. responds to the digit being transmitted. dielectric guide. A waveguide in which the waves travel dial pushing (telephone switching systems). A means of pulsing consisting of regular, momentary interrupthrough solid dielectric material. See: waveguide. tions of a direct or alternating current path at the sending end in which the number of interruptions cordielectric heater. A device for heating normally insulating material by applying an alternating-current field responds to the value of the digit or character. to cause internal losses in the material. Note: The dial tone (telephone switching systems). The tone that normal frequency range is above 10 megahertz. See: indicates that the switching equipment is ready to interference. dielectric lens. A lens made of dielectric material and receive signals from a calling device. dial train (register). All the gear wheels and pinions used for refraction of radio-frequency energy. See: used to interconnect the dial pointers. See: watt-hour antenna: waveguide. dielectric loss angle (rotating machinery). & The angle whose tangent is the dissipation factor. diametric rectifier circuit. A circuit that employs two dielectric loss factor*. See: loss factor. or more rectifying elements with a conducting period *Deprecated of 180 electrical degrees plus the commutating angle. dielectric phase angle. (1) The angular difference in 328 diamond winding (rotating machinery). A distributed phase between the sinusoidal alternating voltage apwinding in which the individual coils have the same plied to a dielectric and the component of the resulting



shape and coil pitch.

diaphragm (electrolytic cells). A porous or permeable

membrane separating anode and cathode compart-

alternating current having the same period as the volt-

age. See: dielectric heating. (2) The angle whose contangent is the dissipation factor, or arc cot ϵ''/ϵ' . See: