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Electronics
Terms

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STANDARD DICTIONARY
OF ELECTRICAL AND ELECTRONICS TERMS

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the state of knowledge of the system, and its environment. *See: system.* 209

modem (1)(data transmission). A contraction of MOdulator-DEModulator, an equipment that connects data terminal equipment to a communication line. 59

(2)(supervisory control, data acquisition, and automatic control). A MOdulator/DEModulator device which converts serial binary digital data to and from the signal form appropriate for the respective communication channel. 570

mode mixer. *See: mode scrambler.* 433

mode of operation (rectifier circuit). The characteristic pattern of operation determined by the sequence and duration of commutation and conduction. *Note:* Most thyristor converters and rectifier circuits have several modes of operation, which may be identified by the shape of the current wave. The particular mode obtained at a given load depends upon the circuit constants. *See: rectification; rectifier circuit element.* 121

mode of propagation (waveguides). A form of propagation of guided waves that is characterized by a particular field pattern in a plane transverse to the direction of propagation, which field pattern is independent of position along the axis of the waveguide. *Note:* In the case of uniconductor waveguides the field pattern of a particular mode of propagation is also independent of frequency. *See: waveguide.* 267, 319

mode of resonance (waveguide). A form of natural electromagnetic oscillation in a resonator, characterized by a particular field pattern. 267

mode of vibration (vibratory body, such as a piezoelectric crystal unit). A pattern of motion of the individual particles due to (1) stresses applied to the body; (2) its properties; and (3) the boundary conditions. Three common modes of vibration are (A) flexural, (B) extensional, and (C) shear. *See: crystal.* 328

ware. (2) The pr ware.

modified circuit switchgear). Th modified in acc recovery voltag wave obtained o voltage indicate ruption with res

modified impeda pedance form o: characteristic o is a circle havir *Note:* It may b

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