



# MAIN ENTRIES

---

01-E	Topology.....	1	15-E	Tribology.....	283
02-A	Transducers for Mechanical Measurement.....	27	06-A	Tunable Dye Lasers.....	299
02-A	Transducers for Temperature, Pressure, and Flow.....	35	05-A	Tunnel Diodes.....	335
07-A	Transducers, Underwater Acoustic.....	67	15-C	Tunneling Microscopy and Spectroscopy.....	361
05-A	Transformers, Electronic.....	85	18-A	Turbines, Gas.....	385
05-A	Transformers, Power.....	113	09-D	Turbulent Flows.....	399
05-A	Transistors, Bipolar.....	127	17-C	Ultrafast Spectroscopy.....	431
05-A	Transistors, Field-Effect.....	147	06-D	Ultrashort-Pulse Phenomena...	457
05-A	Transistors, Microwave.....	165	19-E	Ultrasonic Biophysics.....	475
05-A	Transistors, Power.....	187	07-E	Ultrasonics.....	495
06-B	Transparent Optical Materials.....	205	07-D	Ultrasound and Other Sound, Physical Effects of.....	527
05-C	Transport by Magnetic Levitation.....	233	07-A	Underwater and Atmospheric Acoustic Signal Processing.....	539
08-D	Transport Phenomena.....	263		Contents of Previous Volumes.....	567

The subject matter in the *Encyclopedia of Applied Physics* is presented in approximately 500 individual articles, arranged alphabetically. The topics can be classified into 20 sections, similar to the AIP Physics and Astronomy Classification Scheme (PACS):

01	General Aspects: Mathematical, Computational, and Information Techniques	11	Condensed Matter B: Thermal, Acoustic, and Quantum Properties
02	Measurement Science, General Devices and/or Methods	12	Condensed Matter C: Electronic Properties
03	Nuclear and Elementary Particle Physics	13	Condensed Matter D: Magnetic Properties
04	Atomic and Molecular Physics	14	Condensed Matter E: Dielectrical and Optical Properties
05	Electricity and Magnetism	15	Condensed Matter F: Surfaces and Interfaces
06	Optics (classical and quantum)	16	Materials Science
07	Acoustics	17	Physical Chemistry
08	Thermodynamics and Properties of Gases	18	Energy Research and Environmental Physics
09	Fluids and Plasma Physics	19	Biophysics and Medical Physics
10	Condensed Matter A: Structure and Mechanical Properties	20	Geophysics, Meteorology, Space Physics, and Aeronautics

Each article has been assigned a code number consisting of two digits which denotes the section, and a letter which gives the type of article. There are six types: A = Devices, Equipment; B = Materials; C = Methods, Processes; D = Phenomena, Effects; E = Scientific or Technological Fields; F = Institutions, Companies, Societies and other organizations.