

MAIN ENTRIES

| | | | |
|------|---|------|--|
| 01-C | Scientific Computing by Numerical Methods..... 1 | 12-B | Semiconductors, Compound— Electronic Properties303 |
| 20-D | Sea Ice..... 81 | 16-B | Semiconductors, Compound— Material Properties335 |
| 20-C | Sedimentary Basin Evolution105 | 13-B | Semiconductors, Diluted Magnetic373 |
| 20-A | Seismographs139 | 12-B | Semiconductors, Elemental—Electronic Properties403 |
| 20-E | Seismology155 | 16-B | Semiconductors, Elemental— Material Properties437 |
| 01-C | Semantic View of Theories.....175 | 12-B | Semiconductors, Organic— Electronic Properties477 |
| 12-C | Semiconductor-Device Integration181 | 07-A | Sensors, Acoustic521 |
| 12-C | Semiconductor-Device Modeling.....199 | 06-A | Sensors, Infrared.....543 |
| 12-B | Semiconductors to Superconductors: Organic Lower-Dimensional Systems ...215 | 06-A | Sensors, Optical563 |
| 12-B | Semiconductors, Amorphous— Electronic Properties241 | 17-C | Separation Processes599 |
| 16-B | Semiconductors, Amorphous— Material Properties.....277 | | Contents of Previous Volumes643 |

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.