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In electronics, negative resistance (NR) is a property of some electrical circuits and devices in which an increase in voltage across the device's terminals results in a decrease in electric current through it. An electric motor is an electrical machine that converts electrical energy into mechanical energy. Most electric motors operate through the interaction between the motor's magnetic field and winding currents to generate force in the form of rotation. UT Dallas CourseBook is an advanced tool for obtaining information about classes at The University of Texas at Dallas (UTD). Lookup course and catalog information, Class Syllabi (Syllabus), Course Evaluations, Instructor Evaluations, and submit syllabus files from a single central location. Milestones, with their plaque citations, are listed below in chronological order of the achievement. When the dates of the milestone are a range and overlap, our convention is to list them by the start date of the work, e.g. 1961-1972 comes before 1962, which comes before 1962-1965, which comes before 1964, etc.