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### **DOE-HDBK-1019/1-93; DOE Fundamentals Handbook Nuclear**

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### **How a Nuclear Reactor Works - Nuclear Energy. Now.**

A nuclear reactor, formerly known as an atomic pile, is a device used to initiate and control a self-sustained nuclear chain reaction. Nuclear reactors are used at nuclear power plants for electricity generation and in propulsion of ships. Heat from nuclear fission is passed to a working fluid (water or gas), which in turn runs through steam turbines. ...

### **Nuclear reactor - Wikipedia**

Nuclear Physics and Reactor Theory Volume 1 of 2. Nuclear Physics and Reactor Theory Volume 2 of 2. The Nuclear Physics and Reactor Theory Handbook was developed to assist nuclear facility operating contractors in providing operators, maintenance personnel, and the technical staff with the necessary fundamentals training to ensure a basic understanding of nuclear physics and reactor theory.

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### **Nuclear reactor physics - Wikipedia**

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### **Fundamentals - Nuclear Energy Institute**

Classic textbook for an introductory course in nuclear reactor analysis that introduces the nuclear engineering student to the basic scientific principles of nuclear fission chain reactions and lays a foundation for the subsequent application of these principles to the nuclear design and analysis of reactor cores.

### **Nuclear Reactor Analysis: James J. Duderstadt, Louis J**

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Licensing Process for Operators Before the NRC licenses an individual to operate or supervise the controls of a commercial nuclear power reactor, the applicant must complete extensive training and pass rigorous examinations.

### **NRC: Licensing Process for Operators**

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### **Nuclear Engineering and Design - Journal - Elsevier**

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