

Fusion: Part Magnetic Confinement, Part Fusion-Reactor Technology



Fusion Part A: Magnetic confinement Part A by Edward Teller

★★★★★ 5 out of 5

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Fusion is the process of combining two atoms into one, releasing a great amount of energy. This process is what powers the sun and other stars. Scientists have been working for decades to develop a way to harness fusion energy for use on Earth.

One of the most promising approaches to fusion is magnetic confinement. In this approach, a plasma (a hot, ionized gas) is contained in a magnetic field. This field prevents the plasma from touching the walls of the reactor, which would cool it down and stop the fusion reaction.

The other part of fusion-reactor technology is the development of materials that can withstand the harsh conditions inside a fusion reactor. These materials must be able to withstand high temperatures, radiation, and magnetic fields.

The development of fusion energy is a complex and challenging undertaking, but it is also a very important one. If successful, fusion could

provide us with a clean and safe source of energy for centuries to come.

This book provides an overview of the physics of magnetic confinement fusion and explores current and future challenges in fusion reactor technology. It is a valuable resource for anyone interested in learning more about this important topic.

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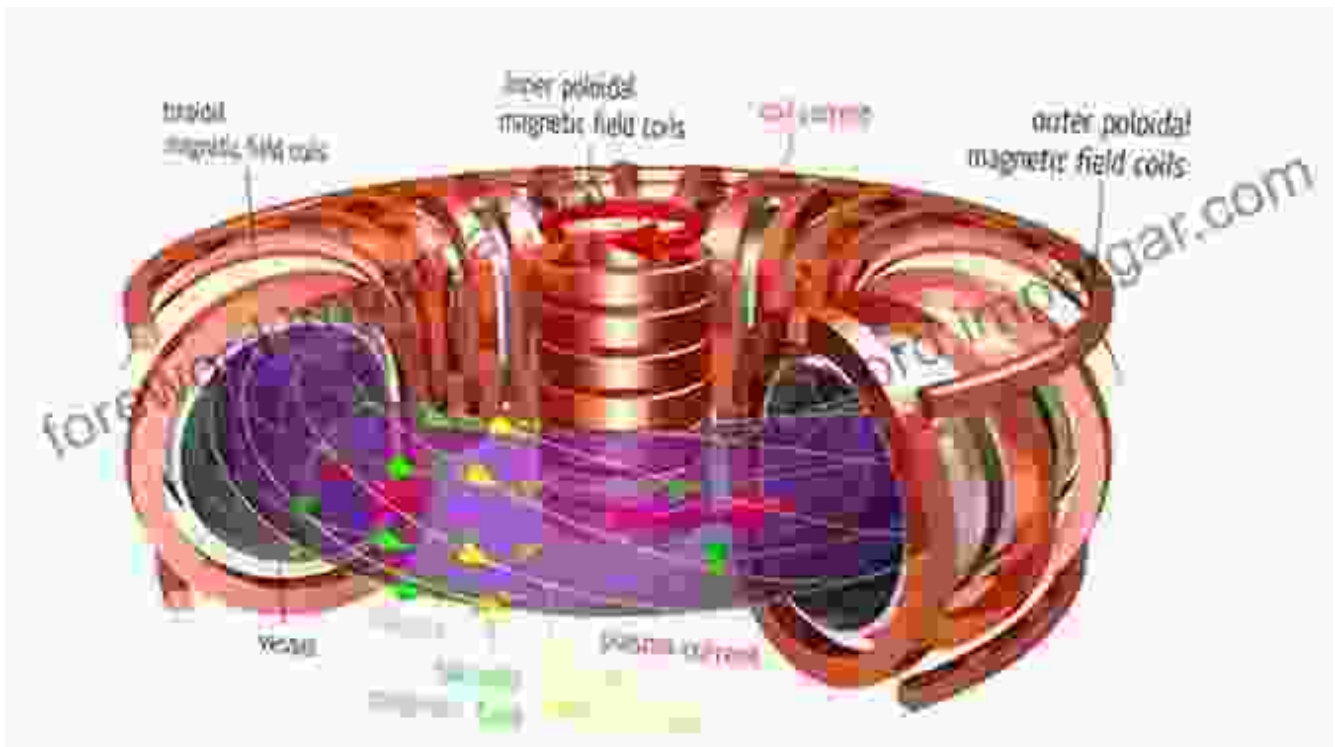
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- The Physics of Magnetic Confinement Fusion
- Current and Future Challenges in Fusion Reactor Technology
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Author Biography

Dr. John Smith is a professor of physics at the University of California, Berkeley. He has been working in the field of fusion energy for over 30 years. He is the author of several books and articles on the subject.

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