

## Introduction To Plasmas And Plasma Dynamics With Reviews Of Applications In Space Propulsion Magnetic Fusion And Space Physics

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About this Textbook. Plasma Physics gives a comprehensive introduction to the basic processes in plasmas and demonstrates that the same fundamental concepts describe cold gas-discharge plasmas, space plasmas, and hot fusion plasmas. Starting from particle drifts in magnetic fields, the principles of magnetic confinement fusion are explained and compared with laser fusion.

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Introduction to Plasma Physics is the standard text for an introductory lecture course on plasma physics. The text's six sections lead readers systematically and comprehensively through the fundamentals of modern plasma physics. Sections on single-particle motion, plasmas as fluids, and collisional processes in plasmas lay the groundwork for a thorough understanding of the subject. The ...

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Introduction to Plasmas A plasma is a partially ionized gas. Plasmas actually dominate the visible universe: most of what we (and telescopes) see in the night sky are various sorts of ionized gases.

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