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This problems supplement to plasma physics textbooks covers plasma theory for both science and technology. Written by a renowned plasma scientist, experienced book author and skilled teacher, it treats all aspects of plasma theory in no fewer than 580 very detailed worked-out problems. With this systematic collection the reader will gain a sound understanding of plasma physics in all fields, from fusion and astrophysics to surface treatment. The book also includes the transport of particles as well as radiation in plasmas, and while designed for graduate students and young researchers, it can equally serve as a reference.

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- Distributions and Equilibria for Particle Ensembles
- Elementary Processes in Plasma
- Slow Atomic Collisions
- Collisions Involving Electrons
- Elementary Radiative Processes in Excited Gases
- Boltzmann Kinetic Equation
- Transport and Kinetics of Electrons in Gases in External Fields
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