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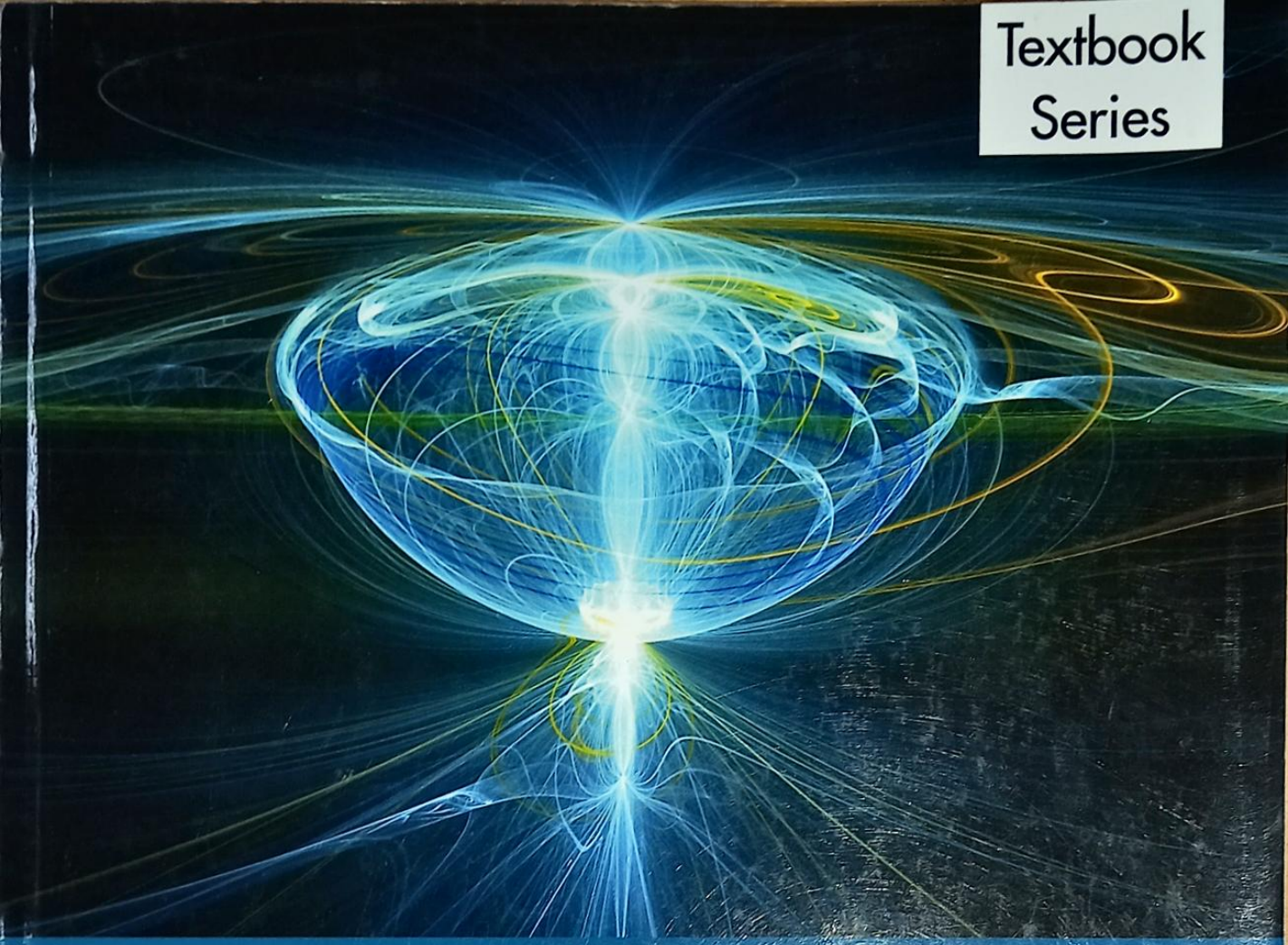

Principles of Electromagnetism

Ophelia Burgess

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Principles of Electromagnetism

Electromagnetism is a branch of physics that studies the fundamental interaction of electromagnetic force that arises between electrically charged particles. It studies light, electric and magnetic fields. Electricity and magnetism are different manifestations of electromagnetic phenomena and the description of each, their generation and how each is affected by the other are described by the Maxwell's equations. This book provides comprehensive insights into the field of electromagnetism. It presents this complex subject in the most comprehensible and easy to understand language. For someone with an interest and eye for detail, this textbook covers the most significant topics in the field of electromagnetism.

Ophelia Burgess completed her MSc and PhD in Physics from University of Kent, United Kingdom. Her expertise lies in the fields of electromagnetism, electric current and electroweak interaction. Burgess has authored and edited more than 37 articles, journal papers and book chapters in the field of electromagnetism. She has also won an "Excellence in Graduate Education" award for her outstanding contribution towards the student community, especially in the undergraduate programs.

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