

1. Record Nr.	UNISALENTO991004403227807536
Autore	Bhattacharya, Kaushik
Titolo	Introduction to advanced electrodynamics / Kaushik Bhattacharya, Soumik Mukhopadhyay
Pubbl/distr/stampa	Singapore : Springer Nature Singapore, 2021
ISBN	9789811678042
Classificazione	LC QC680 53.3.3
Altri autori (Persone)	Mukhopadhyay, Soumikauthor
Disciplina	537.6
Soggetti	Electrodynamics Gravitation Plasma (Ionized gases) Maxwell equations Radiation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book summarizes the basics of electricity and magnetism prior to covariant formulation of Maxwell's equations. The book works out the basics of special relativity and then applies the covariant formalism to understand radiation, both in vacuum and in material medium. The emphasis is on cleaner mathematical formalism based on experimental facts. The book contains many problems/exercises which will help the students to understand the basics of the subject. The difference between the present book with existing books of this level lies in the presentation of the topics and the subjects chosen. Instead of resending a lot of material related to electromagnetism, it presents some very important but selected problems of advanced electromagnetism to students who are learning it for the first time. This book is aimed at graduate/advanced graduate students who have done at least one basic level course in electricity and magnetism