

1. Record Nr.	UNINA9910787757003321
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Titolo	Foundations of classical and quantum electrodynamics // Igor N. Toptygin
Pubbl/distr/stampa	Somerset County, New Jersey : , : Wiley-VCH, , [2013] 2014
ISBN	3-527-67751-8 3-527-68042-X 3-527-67749-6
Descrizione fisica	1 online resource (734 p.)
Collana	New York Academy of Sciences
Disciplina	530.1433
Soggetti	Quantum electrodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
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Sommario/riassunto

This advanced textbook covers many fundamental, traditional and new branches of electrodynamics, as well as the related fields of special relativity, quantum mechanics and quantum electrodynamics. The book introduces the material at different levels, oriented towards 3rd-4th year bachelor, master, and PhD students. This is so as to describe the whole complexity of physical phenomena, instead of a mosaic of disconnected data. The required mathematical background is collated in Chapter 1, while the necessary physical background is included in the main text of the corresponding chapters and a
