

1. Record Nr.	UNISA996466683303316
Autore	Jünger Ansgar
Titolo	Transport Equations for Semiconductors [[electronic resource] /] / by Ansgar Jünger
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-540-89526-4
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XVII, 315 p. 27 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 773
Disciplina	537.622
Soggetti	Solid state physics Spectroscopy Microscopy Optical materials Electronic materials Physics Solid State Physics Spectroscopy and Microscopy Optical and Electronic Materials Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basic Semiconductor Physics -- Microscopic Semi-Classical Models -- Derivation of Macroscopic Equations -- Collisionless Models -- Scattering Models -- Macroscopic Semi-Classical Models -- Drift-Diffusion Equations -- Energy-Transport Equations -- Spherical Harmonics Expansion Equations -- Diffusive Higher-Order Moment Equations -- Hydrodynamic Equations -- Microscopic Quantum Models -- The Schrödinger Equation -- The Wigner Equation -- Macroscopic Quantum Models -- Quantum Drift-Diffusion Equations -- Quantum Diffusive Higher-Order Moment Equations -- Quantum Hydrodynamic Equations.
Sommario/riassunto	Semiconductor devices are ubiquitous in the modern computer and telecommunications industry. A precise knowledge of the transport equations for electron flow in semiconductors when a voltage is applied

is therefore of paramount importance for further technological breakthroughs. In the present work, the author tackles their derivation in a systematic and rigorous way, depending on certain key parameters such as the number of free electrons in the device, the mean free path of the carriers, the device dimensions and the ambient temperature. Accordingly a hierarchy of models is examined which is reflected in the structure of the book: first the microscopic and macroscopic semi-classical approaches followed by their quantum-mechanical counterparts.

2. Record Nr.	UNISA996396026403316
Autore	Marlorat Augustin <1506-1562.>
Titolo	Propheticæ, et apostolicæ, id est, totius diuinæ ac canonicæ Scripturæ, thesaurus [[electronic resource]] : in locos communes rerum, dogmatum suis diuinis exemplis illustratorum, et phraseon Scripturæ familiarium, ordine alphabetico digestus. Ex Augustini Marlorati aduersariis a Guiliel. Feuguerio in codicem relatus
Pubbl/distr/stampa	Londini, : Excudebat Thomas Vautrollerius typographus, Anno M.D. LXXIII. [1574]
Descrizione fisica	[2+] p
Soggetti	Title pages16th century.England
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	At foot of title: Cum priuilegio RegiÃ¡ Maiestatis. Contains printer's device (McK. 170). Fragments: title page, verso and imprint only. Reproduction of original in the British Library.
Sommario/riassunto	eebo-0018

3. Record Nr.	UNISA996386966103316
Autore	Marlorat Augustin <1506-1562.>
Titolo	A catholike and ecclesiasticall exposition of the holy gospell after S. Marke and Luke [[electronic resource] /] / Gathered out of all the singular and approued deuines, (vvhich the Lorde hath geuen to hys church) by Augustine Marlorat. And translated out of Latine into English by Thomas Timme minister. Sene and alowed according to the order appointed
Pubbl/distr/stampa	Imprinted at London, : in Fleetestreate neare, vnto S. Dunstanes church, by Thomas Marsh, 1583
Descrizione fisica	[6], 75, [3], 341, [1] p. : ill., port
Soggetti	Title pages16th cent.England
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A translation of selections from: Novi Testamenti catholica expositio ecclesiastica. In two parts. Part 1, pages 30, 31, 32, 51, 74 and 75 misnumbered 31, 32, 23, 58, 66 and 71; part 2, pages 63, 110, 119, 151-52, 187, 233, 247, 327 and 336 misnumbered 93, 90, 109, 152-53, 146, 232, 246, 237 and 339. Includes frontispiece. At foot of title page: Cum priuilegio. Some print faded and show-through; some pages stained and torn. Reproduction of original in the Cambridge University Library.
Sommario/riassunto	eebo-0018