

1. Record Nr.	UNINA9910790824503321
Autore	Vabishchevich P. N (Petr Nikolaevich)
Titolo	Additive operator-difference schemes : splitting schemes / / by Petr N. Vabishchevich
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter GmbH & Co. KG, , [2014] ©2014
ISBN	3-11-032146-7
Descrizione fisica	1 online resource (370 p.)
Classificazione	SK 920
Disciplina	515/.724
Soggetti	Initial value problems Boundary value problems Differential operators Mathematical models
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.
Nota di contenuto	Front matter -- Preface -- Contents -- Notation -- 1. Introduction -- 2. Stability of operator-difference schemes -- 3. Operator splitting -- 4. Additive schemes of two-component splitting -- 5. Schemes of summarized approximation -- 6. Regularized additive schemes -- 7. Schemes based on approximations of a transition operator -- 8. Vector additive schemes -- 9. Iterative methods -- 10. Splitting of the operator at the time derivative -- 11 Equations with pairwise adjoint operators -- Bibliography -- Index
Sommario/riassunto	Applied mathematical modeling is concerned with solving unsteady problems. Splitting schemes are attributed to the transition from a complex problem to a chain of simpler problems. This book shows how to construct additive difference schemes (splitting schemes) to solve approximately unsteady multi-dimensional problems for PDEs. Two classes of schemes are highlighted: methods of splitting with respect to spatial variables (alternating direction methods) and schemes of splitting into physical processes. Also regionally additive schemes (domain decomposition methods) and unconditionally stable additive schemes of multi-component splitting are considered for evolutionary equations of first and second order as well as for systems of equations.

The book is written for specialists in computational mathematics and mathematical modeling. All topics are presented in a clear and accessible manner.

2. Record Nr.	UNINA9910968799203321
Autore	Wohlman Avital
Titolo	Al-Ghazali, Averroes and the interpretation of the Qur'an : common sense and philosophy in Islam // Avital Wohlman ; translated by David Burrell
Pubbl/distr/stampa	London ; ; New York, N.Y. : , : Routledge, , 2010
ISBN	1-135-22443-9 1-135-22444-7 1-282-37692-6 9786612376924 0-203-86511-1
Edizione	[First edition.]
Descrizione fisica	1 online resource (145 pages)
Collana	Culture and civilization in the Middle East ; ; 19.
Altri autori (Persone)	BurrellDavid B
Disciplina	181/.07
Soggetti	Islamic philosophy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published in French in 2008 as "Contrepoint entre le sens commun et la philosophie en Islam Ghazali et Averroes" by Editions du Cerf, Paris.
Nota di bibliografia	Includes bibliographical references (p. [109]-126) and index.
Nota di contenuto	Journeys of Ghazali and Averroes to their diverse conceptions of the role of reason -- From the chimera of philosophy to the evidence of "the just balance" -- The decisive criterion of the distinction between Islam and hypocrisy (zandaqa) -- Averroes, philosopher-reader of the precious book -- Reorganization of the world according to Aristotle in the light of Quranic revelation by Averroes -- Ghazali and Averroes in Muslim society.
Sommario/riassunto	This book examines the contrasting interpretations of Islam and the Qur'an by Averroes and Al-Ghazali, as a way of helping us untangle current impasses affecting each Abrahamic faith. This has traditionally been portrayed as a battle between philosophy and theology, but the

book shows that Averroes was rather more religious and Al-Ghazali more philosophical than they are usually portrayed. The book traces the interaction between two Muslim thinkers, showing how each is convinced of the existence of a Book in which God is revealed to rational beings, to whom He has given commandments,
