

1. Record Nr.	UNINA990004118260403321
Autore	Hjelmslev, Louis <1899-1965>
Titolo	Le langage / Louis Hjelmslev ; traduit par Michel Olsen ; préface de A. J. Greimas
Pubbl/distr/stampa	Paris, : Les Editions de Minuit, c1966
Descrizione fisica	196 p. : ill. ; 23 cm
Collana	Arguments ; 28
Disciplina	410
Locazione	FLFBC BAT FARBC
Collocazione	410.18 HJEL 01 410.18 HJEL 01 BIS BIB. BAT.6067 FCL 1131 (28) FONDO ROSSI 2885
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910254085003321
Autore	Borthwick David
Titolo	Introduction to Partial Differential Equations // by David Borthwick
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-48936-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XIV, 285 p. 68 illus., 61 illus. in color.)
Collana	Universitext, , 0172-5939
Disciplina	515.353
Soggetti	Differential equations, Partial Mathematical physics Partial Differential Equations Mathematical Applications in the Physical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Preliminaries -- 3. Conservation Equations and Characteristics -- 4. The Wave Equation -- 5. Separation of Variables -- 6. The Heat Equation -- 7. Function Spaces -- 8. Fourier Series -- 9. Maximum Principles -- 10. Weak Solutions -- 11. Variational Methods -- 12. Distributions -- 13. The Fourier Transform -- A. Appendix: Analysis Foundations -- References -- Notation Guide -- Index.
Sommario/riassunto	This modern take on partial differential equations does not require knowledge beyond vector calculus and linear algebra. The author focuses on the most important classical partial differential equations, including conservation equations and their characteristics, the wave equation, the heat equation, function spaces, and Fourier series, drawing on tools from analysis only as they arise. Within each section the author creates a narrative that answers the five questions: (1) What is the scientific problem we are trying to understand? (2) How do we model that with PDE? (3) What techniques can we use to analyze the PDE? (4) How do those techniques apply to this equation? (5) What information or insight did we obtain by developing and analyzing the PDE? The text stresses the interplay between modeling and mathematical analysis, providing a thorough source of problems and an inspiration for the development of methods.

