

1. Record Nr.	UNISANNIOBVEE037055
Autore	Boldoni, Ottavio <1600?-1680>
Titolo	Extemporalium rhetoricon pars oratoria complectens praeftationes, et gratias ad disputandum de quaeque scientia ad laureas doctorales ad alia quaedam publica munia quibus accedunt dedicandarum thesum, aliorumque operum formulae editio altera mult ^â locupletior auctore Octaio Boldonio Mediolanensi ..
Pubbl/distr/stampa	Romae : ex typographia Varesij, 1674
Descrizione fisica	[4], 373, [1] p. : antip. calcogr. ; 4Âº
Collocazione	BNSALA FARN.57. G 75
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Segn.: İÂ²A-3Aâ' (-3A4)
2. Record Nr.	UNINA9910736995903321
Autore	Papachristou Costas J
Titolo	Aspects of Integrability of Differential Systems and Fields : A Mathematical Primer for Physicists / / by Costas J. Papachristou
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-35002-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (101 pages)
Collana	SpringerBriefs in Physics, , 2191-5423
Disciplina	515.45
Soggetti	Physics Mathematical physics Differential equations Differential equations, Partial Mathematical Methods in Physics Mathematical Physics Ordinary Differential Equations Partial Differential Equations
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Integrability on the plane and in space -- Integrability on the complex plane -- Ordinary differential equations -- Systems of ordinary differential equations -- Differential systems: Geometric viewpoint -- Integrable systems of partial differential equations.
Sommario/riassunto	This book serves as an introduction to the concept of integrability as it applies to systems of differential equations as well as to vector-valued fields. The author focuses on specific aspects of integrability that are often encountered in a variety of problems in applied mathematics, physics and engineering. The following general cases of integrability are examined: (a) path-independence of line integrals of vector fields on the plane and in space; (b) integration of a system of ordinary differential equations by using first integrals; and (c) integrable systems of partial differential equations. Special topics include the integration of analytic functions and some elements from the geometric theory of differential systems. Certain more advanced subjects, such as Lax pairs and Bäcklund transformations, are also discussed. The book is written at an intermediate level for educational purposes. The presentation is as simple as the topics allow, often sacrificing mathematical rigor in favor of pedagogical efficiency.