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Titolo	Carbon sequestration [[electronic resource]] : risks, opportunities, and protection of drinking water : hearing before the Subcommittee on Environment and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred Tenth Congress, second session, July 24, 2008
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2008
Descrizione fisica	1 online resource (v, 178 pages) : illustrations
Soggetti	Geological carbon sequestration - Environmental aspects - United States Groundwater - Pollution - United States - Prevention
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Aug. 12, 2009). Paper version available for sale by the Supt. of Docs., U.S. G.P.O. "Serial no. 110-141."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910134931503321
Autore	Kirschner Tim
Titolo	Period Mappings with Applications to Symplectic Complex Spaces // by Tim Kirschner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-17521-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XVIII, 275 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 2140
Disciplina	512.788
Soggetti	Geometry, Algebraic Functions of complex variables Categories (Mathematics) Algebra, Homological Algebraic Geometry Several Complex Variables and Analytic Spaces Category Theory, Homological Algebra
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Intro -- Preface -- Contents -- Notation -- Chapter 1 Period Mappings for Families of Complex Manifolds -- 1.1 Introduction -- 1.2 The p Construction -- 1.3 Locally Split Exact Triples and Their Extension Classes -- 1.4 Connecting Homomorphisms -- 1.5 Frameworks for the Gauß-Manin Connection -- 1.6 The Gauß-Manin Connection -- 1.7 Generalities on Period Mappings -- 1.8 Period Mappings of Hodge-de Rham Type -- References -- Chapter 2 Degeneration of the Frolicher Spectral Sequence -- 2.1 Problem Description -- 2.2 Coherence of Direct Image Sheaves -- 2.3 The Infinitesimal Lifting of the Degeneration -- 2.4 Comparison of Formal and Ordinary Direct Image Sheaves -- 2.5 Compactifiable Submersive Morphisms -- References -- Chapter 3 Symplectic Complex Spaces -- 3.1 Symplectic Structures on Complex Spaces -- 3.2 The Beauville-Bogomolov Form -- 3.3 Deformation Theory of Symplectic Complex Spaces -- 3.4 The Local Torelli Theorem -- 3.5 The Fujiki Relation -- References -- Appendix A Foundations and Conventions -- A.1 Set Theory -- A.2 Category

Theory -- A.3 Homological Algebra -- A.4 Sheaves -- A.5 Ringed Spaces -- A.6 Multilinear Algebra -- A.7 Complex Spaces -- References -- Appendix B Tools -- B.1 Base Change Maps -- B.2 Hodge Theory of Rational Singularities -- References -- Terminology.

Sommario/riassunto

Extending Griffiths' classical theory of period mappings for compact Kähler manifolds, this book develops and applies a theory of period mappings of "Hodge-de Rham type" for families of open complex manifolds. The text consists of three parts. The first part develops the theory. The second part investigates the degeneration behavior of the relative Frölicher spectral sequence associated to a submersive morphism of complex manifolds. The third part applies the preceding material to the study of irreducible symplectic complex spaces. The latter notion generalizes the idea of an irreducible symplectic manifold, dubbed an irreducible hyperkähler manifold in differential geometry, to possibly singular spaces. The three parts of the work are of independent interest, but intertwine nicely.
