

1. Record Nr.	UNINA9910827787303321
Autore	Gugenheim V. K. A. M. <1923->
Titolo	On the theory and applications of differential torsion products / / [by] V.K.A.M. Gugenheim and J. Peter May
Pubbl/distr/stampa	Providence : , : American Mathematical Society, , 1974
ISBN	0-8218-9942-2
Descrizione fisica	1 online resource (106 p.)
Collana	Memoirs of the American Mathematical Society ; ; number 142
Disciplina	512/55
Soggetti	Algebra, Homological Torsion products Spectral sequences (Mathematics) Differential algebra
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Bibliography: pages 92-93.
Nota di contenuto	""Abstract""; ""A 1. Differential homological algebra""; ""A 2. Realizations of resolutions""; ""A 3. The differential torsion product and geometry""; ""A 4. Principal bundles, homogeneous spaces, and Postnikov systems""; ""A 5. Matric Massey products""; ""Appendix""; ""Bibliography""

2. Record Nr.	UNINA9910412154903321
Autore	Vavilov Vladimir
Titolo	Infrared Thermography and Thermal Nondestructive Testing / / by Vladimir Vavilov, Douglas Burleigh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-48002-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXII, 598 p. 309 illus., 104 illus. in color.)
Disciplina	620.1127
Soggetti	Physical measurements Measurement Materials science Microwaves Optical engineering Building materials Measurement Science and Instrumentation Characterization and Evaluation of Materials Microwaves, RF and Optical Engineering Building Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Chapter 1. Physical models in TNDT -- Chapter 2. Heat transfer in solid bodies -- Chapter 3. Determining thermal properties of materials -- Chapter 4. Heat conduction in structures containing defects and the optimization of TNDT procedures -- Chapter 5. Defect characterization -- Chapter 6. Data processing in TNDT -- Chapter 7. Theory of thermal radiation -- Chapter 8. Equipment for active TNDT -- Chapter 9. Infrared systems -- Chapter 10. Statistical data treatment and decision making in TNDT -- Chapters 11. Applications of thermal/infrared NDT -- Chapter 12. Certification and normative documents in TNDT.
Sommario/riassunto	This is the first book summarizing the theoretical basics of thermal nondestructive testing (TNDT) by combining elements of heat conduction, infrared thermography, and industrial nondestructive

testing. The text contains the physical models of TNDT, heat transfer in defective and sound structures, and thermal properties of materials. Also included are the optimization of TNDT procedures, defect characterization, data processing in TNDT, active and passive TNDT systems, as well as elements of statistical data treatment and decision making. This text contains in-depth descriptions of applications in infrared/thermal testing within aerospace, power production, building, as well as the conservation of artistic monuments. The book is intended for the industrial specialists who are involved in technical diagnostics and nondestructive testing. It may also be useful for academic researchers, undergraduate, graduate and PhD university students.
