1. Record Nr. UNINA990000188950403321

Autore	Dabini, Giuseppe
Titolo	4. : 473 p. : ill.
Pubbl/distr/stampa	Firenze : Sansoni, 1971-
Descrizione fisica	v. ; 24 cm
Disciplina	621.2
Locazione	FINBC
Collocazione	13 C 64 03
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910338249803321

Titolo	Moduli of K-stable Varieties / / edited by Giulio Codogni, Ruadhaí Dervan, Filippo Viviani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XIII, 181 p. 18 illus.)
Collana	Springer INdAM Series, , 2281-518X ; ; 31
Disciplina	516.35
Soggetti	Geometry, Algebraic Geometry Functions of complex variables Algebraic Geometry Several Complex Variables and Analytic Spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This volume contains a collection of papers related to research presented at the INdAM Workshop "Moduli of K-stable vaieties", which was held in Rome, from 10 to 14 July 2017, at Sapienza Universita di

	Roma."
Nota di contenuto	1 F. Ambro and J. Kollár, Minimal Models of semi-log-canonical pairs -- 2 G. Codogni and J. Stoppa, Torus Equivariant K-stability -- 3 K. Fujita, Notes on K-semistability of topic polarized surfaces -- 4 E. Legendre, A note on extremal toric almost Kähler metrics -- 5 Y. Odaka, Tropical geometric compactification of moduli, I - M_g case -- 6 Z. Sjöström Dyrefelt, A partial comparison of stability notions in Kähler geometry -- 7 C. Spotti, Kähler-Einstein metrics via moduli continuity -- 8 X. Wang, GIT stability, K-stability and moduli space of Fano varieties.
Sommario/riassunto	This volume is an outcome of the workshop "Moduli of K-stable Varieties", which was held in Rome, Italy in 2017. The content focuses on the existence problem for canonical Kähler metrics and links to the algebro-geometric notion of K-stability. The book includes both surveys on this problem, notably in the case of Fano varieties, and original contributions addressing this and related problems. The papers in the latter group develop the theory of K-stability; explore canonical metrics in the Kähler and almost-Kähler settings; offer new insights into the geometric significance of K-stability; and develop tropical aspects of the moduli space of curves, the singularity theory necessary for higher dimensional moduli theory, and the existence of minimal models. Reflecting the advances made in the area in recent years, the survey articles provide an essential overview of many of the most important findings. The book is intended for all advanced graduate students and researchers who want to learn about recent developments in the theory of moduli space, K-stability and Kähler-Einstein metrics.

3. Record Nr. UNINA9910958989103321

Autore	Ojovan M. I
Titolo	An Introduction to Nuclear Waste Immobilisation
Pubbl/distr/stampa	Burlington, : Elsevier Science, 2013
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (377 p.)
Collana	Elsevier insights An introduction to nuclear waste immobilisation
Altri autori (Persone)	LeeWilliam E
Disciplina	621.48 621.4838
Soggetti	Nuclear waste Radioactive waste disposal -- Safety measures Radioactive waste disposal Radioactive waste disposal - Safety measures Civil & Environmental Engineering Engineering & Applied Sciences Environmental Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front Cover; An Introduction to Nuclear Waste Immobilisation; Copyright Page; Dedication; Contents; Preface to the Second Edition; 1 Introduction to Immobilisation; 1.1 Introduction; 1.2 The Importance of Waste; 1.3 Radioactive Waste; 1.4 Recycling; 1.5 Waste Minimisation; 1.6 Processing and Immobilisation; 1.7 Time Frames; Bibliography; 2 Nuclear Decay; 2.1 Nuclear Matter; 2.2 Radioactive Decay; 2.3 Decay Law; 2.4 Radioactive Equilibrium; 2.5 Activity; 2.6 Alpha Decay; 2.7 Beta Decay; 2.8 Gamma Decay; 2.9 Spontaneous Fission; 2.10 Radionuclide Characteristics; Bibliography 3 Contaminants and Hazards3.1 Elemental Abundance; 3.2 Migration and Redistribution; 3.3 Potential Hazard of Nuclear Waste; 3.4 Relative Hazards; 3.5 Importance of Wasteform: Real Hazard Concept; 3.6 Wasteform Durability and Hazard Diminishing; Bibliography; 4 Naturally Occurring Radionuclides; 4.1 NORM and TENORM; 4.2 Primordial Radionuclides; 4.3 Use of Primordial Radionuclides for Dating; 4.4 Natural Nuclear Reactors; 4.5 Cosmogenic Radionuclides; 4.6 Natural Radionuclides in Igneous Rocks; 4.7 Natural Radionuclides in

Sedimentary Rocks and Soils; 4.8 Natural Radionuclides in Sea Water
4.9 Radon Emissions4.10 Natural Radionuclides in the Human Body; Bibliography; 5 Background Radiation; 5.1 Radiation is Natural; 5.2 Dose Units; 5.3 Biological Consequences of Irradiation; 5.4 Background Radiation; Bibliography; 6 Nuclear Waste Regulations; 6.1 Regulatory Organisations; 6.2 Protection Philosophies; 6.3 Regulation of Radioactive Materials and Sources; 6.4 Exemption Criteria and Levels; 6.5 Clearance of Materials from Regulatory Control - Moderate Amounts; 6.6 Clearance of Materials from Regulatory Control - Bulk Amounts; 6.7 Double Standards; 6.8 Dose Limits
6.9 Control of Radiation Hazards6.10 Nuclear Waste Classification; 6.11 IAEA Classification Scheme; 6.12 Examples of Waste Classification; References; Bibliography; 7 Principles of Nuclear Waste Management; 7.1 International Consensus; 7.2 Objective of Radioactive Waste Management; 7.3 Fundamental Principles; 7.4 Comments on the Fundamental Principles; 7.5 Fundamental Safety Principles; 7.6 Ethical Principles; 7.7 Joint Convention; 7.8 International Cooperation; References; Bibliography; 8 Nuclear Waste Types and Sources; 8.1 Sources of Nuclear Waste; 8.2 Front-End and Operational NFC Waste 8.3 Back-End Open NFC Waste8.4 Back-End Closed NFC Waste; 8.5 Back-End NFC Decommissioning Waste; 8.6 Non-NFC Wastes; 8.7 Accidental Wastes; 8.8 Global Inventory; References; Bibliography; 9 Short-Lived Waste Radionuclides; 9.1 Introduction; 9.2 Tritium; 9.3 Cobalt-60; 9.4 Strontium-90; 9.5 Cesium-137; Bibliography; 10 Long-Lived Waste Radionuclides; 10.1 Introduction; 10.2 Carbon-14; 10.3 Technetium-99; 10.4 Iodine-129; 10.5 Plutonium; 10.6 Neptunium-237; 10.7 Nuclear Criticality; References; Bibliography; 11 Waste Processing Schemes; 11.1 Management Roadmap; 11.2 Waste Life Cycle 11.3 Pre-disposal

Sommario/riassunto

Drawing on the authors' extensive experience in the processing and disposal of waste, An Introduction to Nuclear Waste Immobilisation, Second Edition examines the gamut of nuclear waste issues from the natural level of radionuclides in the environment to geological disposal of waste-forms and their long-term behavior. It covers all-important aspects of processing and immobilization, including nuclear decay, regulations, new technologies and methods. Significant focus is given to the analysis of the various matrices used, especially cement and glass, with further discussion of oth