1. Record Nr. UNINA9910464766703321

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| Titolo | Assessing risks to endangered and threatened species from pesticides / / Committee on Ecological Risk Assessment under FIFRA and ESA, Board on Environmental Studies and Toxicology, Division on Earth and Life Studies, National Research Council of the National Academies |
| Pubbl/distr/stampa | Washington, DC : , : National Academies Press, , [2013]<br>©2013 |
| ISBN | 0-309-28584-4 |
| Descrizione fisica | 1 online resource (195 p.) |
| Disciplina | 363.7384 |
| Soggetti | Pesticides and wildlife<br>Endangered species<br>Pesticides - Risk assessment<br>Ecological risk assessment<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "Sponsors: National Oceanic and Atmospheric Administration, U.S. Department of Agriculture, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service"--Page v. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Introduction -- A common approach and other overarching issues -- Exposure analysis -- Effects analysis -- Risk characterization -- Appendixes. |

2. Record Nr. UNINA9910254313403321

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| Autore | Berezovski Arkadi |
| Titolo | Internal Variables in Thermoelasticity / / by Arkadi Berezovski, Peter Ván |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017 |
| ISBN | 3-319-56934-1 |
| Edizione | [1st ed. 2017.] |
| Descrizione fisica | 1 online resource (VIII, 220 p. 37 illus.) |
| Collana | Solid Mechanics and Its Applications, , 2214-7764 ; ; 243 |
| Disciplina | 531.382 |
| Soggetti | Mechanics, Applied<br>Solids<br>Thermodynamics<br>Heat engineering<br>Heat - Transmission<br>Mass transfer<br>Physics<br>Mathematical physics<br>Mathematical models<br>Solid Mechanics<br>Engineering Thermodynamics, Heat and Mass Transfer<br>Classical and Continuum Physics<br>Mathematical Physics<br>Mathematical Modeling and Industrial Mathematics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | Part I Internal variables in thermomechanics -- 2 Introduction -- 3 Thermomechanical single internal variable theory -- 4 Dual internal variables -- Part II Dispersive elastic waves in one dimension -- 5 Internal variables and microinertia -- 6 Dispersive elastic waves -- 7 One-dimensional microelasticity -- 8 Influence of nonlinearity -- Part III Thermal effects -- 9 The role of heterogeneity in heat pulse propagation in a solid with inner structure -- 10 Heat conduction in |

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| | microstructured solids -- 11 One-dimensional thermoelasticity with dual internal variables -- 12 Influence of microstructure on thermoelastic wave propagation -- Part IV Weakly nonlocal thermoelasticity for microstructured solids -- 13 Microdeformation and microtemperature -- Appendix A: Sketch of thermostatics -- Appendix B: Finite-volume numerical algorithm -- Index. |
| Sommario/riassunto | This book describes an effective method for modeling advanced materials like polymers, composite materials and biomaterials, which are, as a rule, inhomogeneous. The thermoelastic theory with internal variables presented here provides a general framework for predicting a material’s reaction to external loading. The basic physical principles provide the primary theoretical information, including the evolution equations of the internal variables. The cornerstones of this framework are the material representation of continuum mechanics, a weak nonlocality, a non-zero extra entropy flux, and a consecutive employment of the dissipation inequality. Examples of thermoelastic phenomena are provided, accompanied by detailed procedures demonstrating how to simulate them. |