1. Record Nr. UNINA9910458642203321 Autore Schowengerdt Robert A Titolo Remote sensing, models, and methods for image processing [[electronic resource] /] / Robert A. Schowengerdt Burlington, MA,: Academic Press, c2007 Pubbl/distr/stampa **ISBN** 1-281-05050-4 9786611050504 0-08-048058-6 Edizione [3rd ed.] Descrizione fisica 1 online resource (558 p.) Disciplina 621.3678 Soggetti Image processing Remote-sensing images Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di contenuto Front cover; Title page; Copyright page; Table of contents; List of Figures; CHAPTER 1 The Nature of Remote Sensing; CHAPTER 2 Optical Radiation Models; CHAPTER 3 Sensor Models; CHAPTER 4 Data Models; CHAPTER 5 Spectral Transforms; CHAPTER 6 Spatial Transforms; CHAPTER 7 Correction and Calibration; CHAPTER 8 Image Registration and Fusion; CHAPTER 9 Thematic Classification; APPENDIX B Function Definitions; List of Tables; CHAPTER 1 The Nature of Remote Sensing; CHAPTER 3 Sensor Models; CHAPTER 4 Data Models; CHAPTER 5 Spectral Transforms: CHAPTER 6 Spatial Transforms CHAPTER 7 Correction and CalibrationCHAPTER 8 Image Registration and Fusion; CHAPTER 9 Thematic Classification; APPENDIX A Sensor Acronyms; APPENDIX B Function Definitions; Preface to the Third Edition; Preface to the Second Edition; 1 The Nature of Remote Sensing; 1.1 Introduction; 1.2 Remote Sensing; 1.3 Spectral Signatures; 1.4 Remote-Sensing Systems; 1.5 Image Display Systems; 1.6 Data Systems; 1.7 Summary; 1.8 Exercises; 2 Optical Radiation Models; 2.1 Introduction; 2.2 Visible to Shortwave Infrared Region; 2.3 Midwave to

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Sommario/riassunto

Remote sensing is a technology that engages electromagnetic sensors to measure and monitor changes in the earth's surface and atmosphere. Normally this is accomplished through the use of a satellite or aircraft. This book, in its 3rd edition, seamlessly connects the art and science of earth remote sensing with the latest interpretative tools and techniques of computer-aided image processing. Newly expanded and updated, this edition delivers more of the applied scientific theory and practical results that helped the previous editions earn wide acclaim and become classroom and industry standa