1. Record Nr. UNINA9910877275603321 Autore Tucker Maurice E Titolo Carbonate sedimentology / / Maurice E. Tucker, V. Paul Wright; with a chapter by J.A.D. Dickson Oxford [England];; Boston,: Blackwell Scientific Publications Pubbl/distr/stampa Brookline Village, Mass., : Distributors, USA, Publishers' Business Services, 1990 **ISBN** 1-282-37180-0 9786612371806 1-4443-1417-3 1-4443-1416-5 Descrizione fisica 1 online resource (498 p.) Altri autori (Persone) DicksonJ. A. D WrightV. Paul <1953-> Disciplina 552/.58 Soggetti Carbonate rocks Sedimentation and deposition Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Carbonate Sedimentology; Contents; Preface; Acknowledgements; 1: Nota di contenuto Carbonate sediments and limestones: constituents; 1.1 INTRODUCTION; 1.2 NON-SKELETAL GRAINS; 1.2.1 Coated grains; 1.2.2 Peloids; 1.2.3 Grain aggregates; 1.2.4 Clasts; 1.3 SKELETAL GRAINS; 1.4 MATRIX; 1.5 GRANULOMETRIC AND MORPHOMETRIC PROPERTIES; 1.6 GRAIN ORIENTATION AND PACKING: 1.7 LIMESTONE CLASSIFICATION: 1.8 DATA COLLECTION AND PROCESSING: 1.9 POROSITY: 1.9.1 Porosity types; 2: Geological background to carbonate sedimentation; 2.1 INTRODUCTION; 2.2 MAJOR CONTROLS ON CARBONATE SEDIMENTATION 2.2.1 Organic productivity and sedimentation rates 2.3 CARBONATE FACIES AND FACIES SEQUENCES: 2.3.1 Depositional processes and facies sequences in carbonate rocks; 2.4 CARBONATE PLATFORMS; 2.5 CARBONATE RIMMED SHELVES; 2.5.1 Modem rimmed shelves; 2.5.2

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Sommario/riassunto

Carbonate rocks (limestones and dolomites) constitute a major part of the geological column and contain not only 60% of the world's known hydrocarbons but also host extensive mineral deposits. This book represents the first major review of carbonate sedimentology since the mid 1970's. It is aimed at the advanced undergraduate - postgraduate level and will also be of major interest to geologists working in the oil industry. Carbonate Sedimentology is designed to take the reader from the basic aspects of limestone recognition and classification through to an appreciation of the most re