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| 1. Record Nr. | UNINA9910821386403321 |
| Autore | Chowdhury Robin |
| Titolo | Geotechnical slope analysis // Robin Chowdhury ; other contributors, Phil Flentje, Gautam Bhattacharya |
| Pubbl/distr/stampa | Boca Raton : , : CRC Press, , 2010 |
| ISBN | 1-135-19207-3 1-135-19210-3 1-282-50388-X 9786612503887 0-203-86420-4 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (774 p.) |
| Altri autori (Persone) | FlentjePhil BhattacharyaGautam |
| Disciplina | 624.1/51363 624.151363 |
| Soggetti | Slopes (Soil mechanics) |
| 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. |
| Nota di contenuto | Aims and overview : slopes, geology, and materials -- Basic geotechnical concepts -- Performance indicators and basic probability concepts -- Limit equilibrium methods I : planar failure surfaces -- Limit equilibrium methods II : slip surfaces and beyond critical equilibrium -- Stress-deformation analyses and their role in slope analysis -- Natural slope analysis considering initial stresses -- Plasticity and shear band analyses : a brief review -- Earthquake effects and seismic slope analysis -- Probabilistic approaches and reliability analyses -- Case study of urban slope stability -- Summing up. |
| Sommario/riassunto | Freshly updated and extended version of Slope Analysis (Chowdhury, Elsevier, 1978). This reference book gives a complete overview of the developments in slope engineering in the last 30 years. Its multi-disciplinary, critical approach and the chapters devoted to seismic effects and probabilistic approaches and reliability analyses, reflect the distinctive style of the original. Subjects discussed are: the understanding of slope performance, mechanisms of instability, requirements for modeling and analysis, and new techniques for |

observation and modeling. Special attention is paid to the relati
