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| 1. Record Nr.           | UNINA9910254088903321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Autore                  | Bohner Martin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Titolo                  | Multivariable Dynamic Calculus on Time Scales / / by Martin Bohner, Svetlin G. Georgiev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ISBN                    | 3-319-47620-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Edizione                | [1st ed. 2016.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Descrizione fisica      | 1 online resource (608 pages) : illustrations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 515.352                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Soggetti                | Mathematical analysis<br>Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Nota di contenuto       | 1. Time Scales -- 2. Differential Calculus of Functions of One Variable -- 3. Integral Calculus of Functions of One Variable -- 4. Partial Differentiation on Time Scales -- 5. Multiple Integration on Time Scales -- 6. Sequences and Series of Functions -- 7. Parameter-Dependent Integrals -- 8. Line Integrals -- 9. Surface Integrals -- Index.                                                                                                                                                                                                                                                                                 |
| Sommario/riassunto      | This book offers the reader an overview of recent developments of multivariable dynamic calculus on time scales, taking readers beyond the traditional calculus texts. Covering topics from parameter-dependent integrals to partial differentiation on time scales, the book's nine pedagogically oriented chapters provide a pathway to this active area of research that will appeal to students and researchers in mathematics and the physical sciences. The authors present a clear and well-organized treatment of the concept behind the mathematics and solution techniques, including many practical examples and exercises. |