1. Record Nr. UNISA996466768503316

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| Titolo | Algebraic topology, Poznan 1989 : proceedings of a conference held in Poznan, Poland, June 22-27, 1989 / / edited by S. Jackowski, Robert Oliver, K. Pawaowski |
| Pubbl/distr/stampa | Berlin : , : Springer-Verlag, , [1991]<br>©1991 |
| ISBN | 3-540-47403-X |
| Edizione | [1st ed. 1991.] |
| Descrizione fisica | 1 online resource (VIII, 404 p.) |
| Collana | Lecture notes in mathematics (Springer-Verlag) ; ; 1474 |
| Disciplina | 514.2 |
| Soggetti | Algebraic topology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di contenuto | Some applications of shifted subgroups in transformation groups -- Equivariant finiteness obstruction and its geometric applications - A survey -- On conic spaces -- Computations of stable pseudoisotopy spaces for aspherical manifolds -- The fundamental groups of algebraic varieties -- Invariants of graphs and their applications to knot theory -- Morse theory of closed 1-forms -- Morava K-theories: A survey -- Examples of lack of rigidity in crystallographic groups -- Sur la Topologie des Bras Articules -- Semicontractible link maps and their suspensions -- The KO-assembly map and positive scalar curvature -- Equivariant splittings associated with smooth toral actions -- Lefschetz numbers of C*-complexes -- On the homotopy category of Moore spaces and an old result of Barratt -- An additive basis for the cohomology of real Grassmannians -- On the topology of the space of reachable symmetric linear systems -- Homotopy ring spaces and their matrix rings -- Homotopy colimits on E-I-categories -- On bordism rings with principal torsion ideal -- "Localization and the sullivan fixed point conjecture" -- Characteristic numbers and group actions -- Remarks on one fixed point A 5-actions on homology spheres -- A note on the mod 2 cohomology of SL(?) -- Characteristic classes and 2—modular representations for some sporadic simple groups — II -- The abelianization of the theta group in low genus. |
| Sommario/riassunto | As part of the scientific activity in connection with the 70th birthday of |

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| | | the Adam Mickiewicz University in Poznan, an international conference on algebraic topology was held. In the resulting proceedings volume, the emphasis is on substantial survey papers, some presented at the conference, some written subsequently. |

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| 2. | Record Nr. | UNINA9910254300603321 |
| | Autore | Garcia Martinez Constantino Antonio |
| | Titolo | Heart Rate Variability Analysis with the R package RHRV / / by Constantino Antonio García Martínez, Abraham Otero Quintana, Xosé A. Vila, María José Lado Touriño, Leandro Rodríguez-Liñares, Jesús María Rodríguez Presedo, Arturo José Méndez Penín |
| | Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017 |
| | ISBN | 3-319-65355-5 |
| | Edizione | [1st ed. 2017.] |
| | Descrizione fisica | 1 online resource (XVI, 157 p. 50 illus., 29 illus. in color.) |
| | Collana | Use R!, , 2197-5744 |
| | Disciplina | 519.5 |
| | Soggetti | Biometry<br>Signal processing<br>Biomedical engineering<br>Cardiology<br>Biostatistics<br>Signal, Speech and Image Processing<br>Biomedical Engineering and Bioengineering |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Nota di bibliografia | Includes bibliographical references and index. |
| | Nota di contenuto | Foreword -- Preface -- 1 Introduction to Heart Rate Variability -- 2 Loading, Plotting and Filtering RR Intervals -- 3 Time Domain Analysis -- 4 Frequency Domain Analysis -- 5 Nonlinear and Fractal Analysis -- 6 Comparing HRV Variability across Different Segments of a Recording -- 7 Putting it All Together, a Practical Example -- A Installing RHRV -- B How do I Get a Series of RR Intervals from a Clinical/Biological Experiment? |
| | Sommario/riassunto | This book introduces readers to the basic concepts of Heart Rate |

Variability (HRV) and its most important analysis algorithms using a hands-on approach based on the open-source RHRV software. HRV refers to the variation over time of the intervals between consecutive heartbeats. Despite its apparent simplicity, HRV is one of the most important markers of the autonomic nervous system activity and it has been recognized as a useful predictor of several pathologies. The book discusses all the basic HRV topics, including the physiological contributions to HRV, clinical applications, HRV data acquisition, HRV data manipulation and HRV analysis using time-domain, frequency-domain, time-frequency, nonlinear and fractal techniques. Detailed examples based on real data sets are provided throughout the book to illustrate the algorithms and discuss the physiological implications of the results. Offering a comprehensive guide to analyzing beat information with RHRV, the book is intended for masters and Ph.D. students in various disciplines such as biomedical engineering, human and veterinary medicine, biology, and pharmacy, as well as researchers conducting heart rate variability analyses on both human and animal data.