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Astronomical and Meteorological Observations Made During the Year ... at the United States Naval Observatory

Training load is a critical component of athletic development, which involves manipulating various parameters, such as training intensity, volume, frequency, and density, to promote positive adaptations in the athlete's performance. However, training load can also have negative effects, such as excessive fatigue, injuries, and overtraining, which can impair the athlete's performance and health. It is therefore crucial to understand how training load can be optimized to improve athletic performance and minimize associated risks. This Research Topic aims to provide a current perspective on the knowledge and challenges associated with the effects of careful manipulation and load management to optimize performance and promote the health of athletes from different sports and competitive levels. The results obtained may be of particular importance for identifying the best and most current load prescription practices in different sports, as well as preventive and treatment interventions for injuries related to excessive training. Furthermore, research can provide information about the physiological mechanisms underlying the relationship between training load and athletic performance, which can be useful in developing new, more efficient and safer training strategies.

Astronomical, Magnetic and Meteorological Observations Made at the United States Naval Observatory

"Seasonal coastal currents on a continental shelf are modeled for use in Search and Rescue planning. The model considers a balance of Coriolis, pressure gradient, and frictional forces. Input parameters are the climatological wind and density fields. Comparison of results to currents depicted on climatological atlases for the New York Bight indicates the validity of the approach. In this light, one might extend this approach to other geographical regions where analogous oceanographic conditions prevail."--Author's abstract.

A List of the Flowering Plants & Ferns of Newfoundland with Meteorological Observations

Vols. 1-69 include more or less complete patent reports of the U. S. Patent Office for years 1825-59.

Canadian Journal of Science, Literature, and History

Includes the Report of the Mississippi River Commission, 1881-19 .

Publications of the United States Naval Observatory

This book chapter contains several relevant points of researches on Islamic Philanthropy as traditional financial system in Islam. The book starts with the emphasis on the nature of Islamic Philanthropy as an instrument in realizing socio-economic justice through equitable distribution of wealth and reducing poverty. In order to maintain sustainable achievement of the goal, it is important to use funds of the Islamic Philanthropy in productive ways. Hence, the discussion then continues with the use of the funds for empowerment programs by displaying the cases for community empowerment in Indonesia and youth empowerment in North-Eastern Nigeria.

Training Load in Sport: Current Challenges and Future Perspectives

The 14th REHVA HVAC World Congress CLIMA2022 challenges advances in technologies for smart energy transition, digitization, circularity, health and well-being in buildings. How can we create circular buildings, fully heated, cooled and powered by renewable energy? How can we design human-centered indoor environments while mastering life-cycle costs? How can we also include their integration into infrastructure for energy, health, data and education?

Annual Report (or Report) of the Secretary of War

November issue includes abridged index to yearly volume.

Report of the Chief of Engineers

For more than 50 years, the Springer VDI Heat Atlas has been an indispensable working means for engineers dealing with questions of heat transfer. Featuring 50% more content, this new edition covers most fields of heat transfer in industrial and engineering applications. It presents the interrelationships between basic scientific methods, experimental techniques, model-based analysis and their transfer to technical applications.

The American Journal of Science

This volume directly addresses the complexities involved in data mining and the development of new algorithms, built on an underlying theory consisting of linear and non-linear dynamics, data selection, filtering, and analysis, while including analytical projection and prediction. The results derived from the analysis are then further manipulated such that a visual representation is derived with an accompanying analysis. The book brings very current methods of analysis to the forefront of the discipline, provides researchers and practitioners the mathematical underpinning of the algorithms, and the non-specialist with a visual representation such that a valid understanding of the meaning of the adaptive system can be attained with careful attention to the visual representation. The book presents, as a collection of documents, sophisticated and meaningful methods that can be immediately understood and applied to various other disciplines of research. The content is composed of chapters addressing: An application of adaptive systems methodology in the field of post-radiation treatment involving brain volume differences in children; A new adaptive system for computer-aided diagnosis of the characterization of lung nodules; A new method of multi-dimensional scaling with minimal loss of information; A description of the semantics of point spaces with an application on the analysis of terrorist attacks in Afghanistan; The description of a new family of meta-classifiers; A new method of optimal informational sorting; A general method for the unsupervised adaptive classification for learning; and the presentation of two new theories, one in target diffusion and the other in twisting theory.

An Analytical Sea Current Model for Coastal Regions with Application to the New York Bight

International Geophysics Series, Volume 7: Physics of the Marine Atmosphere discusses the influence exerted by the sea surface on the properties of the atmosphere as well as on atmospheric processes of small and medium scale. This book is composed of six chapters that specifically consider the exchange occurring in the boundary layer between ocean and atmosphere. The opening chapters deal with the particular difficulties inherent in meteorological measurements at sea. The remaining chapters describe the flow characteristics, thermodynamics, chemistry, electricity, and radioactivity of the marine atmosphere. Emphasis is placed on the physical approach rather than on geographical aspects and those of application. A discussion of the empirical facts is followed by theoretical interpretation. Geophysicists, theoreticians, and scientists of the allied fields will find this book invaluable.

Journal of the Franklin Institute

List of quarto publications, exclusive of the Annals , made by the officers of the observatory from 1877 to 1896, with references to the work of the Blue Hill observatory from 1885 to 1895: v. 30, p. 3-8.

Report

Annual Report of the Secretary of War

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