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Qualitative Motion Understanding The Springer

EDITORIAL Moving towards a better understanding of …
EDITORIAL Moving towards a better understanding of potential pitfalls in quantitative PET myocardial blood flow Paul C Cremer, MD,a Frank P DiFilippo, PhD,b and Wael A Jaber, MDa a Heart and Vascular Institute, Cleveland Clinic, Cleveland, OH b Imaging Institute, Cleveland Clinic, Cleveland, OH Received Jan 20, 2017; accepted Jan 23, 2017
Bridging Qualitative and Quantitative Methods in Foresight
Bridging Qualitative and Quantitative Methods in Foresight Matthias K B Lüdeke 41 Introduction There is a long-lasting and controversial discourse on the role of quantitative and qualitative data and methods in science, at least since the "Newtonian turn" in physics in the 17th century After this
The test of basic Mechanics Conceptual Understanding (bMCU …
evaluation of the test of basic Mechanics Conceptual Understanding (bMCU), which was designed to meet these requirements Results: In the context of test development, qualitative and quantitative methods, including Rasch analyses, were applied to more than 300 Swiss secondary school students The final test's conformity to the Rasch model was
Chapter 5 Qualitative Analysis of Commercial Social …

qualitative analysis of commercial social network profiles is vital to understanding the impact, popularity, success, and reach of a product or service As with many academic avenues, there are outliers and caveats that do not fit neatly into the methodsproposed;such instances are out of …

RESEARCH Open Access A human-computer collaborative …

Characterizing and understanding insect movement pat-terns is a challenging endeavor Due to the stochastic nature of insect motion, researchers often need to analyze large trajectory datasets that capture their move-ment under diverse conditions to accurately interpret their behavior Automated image processing techniques

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* Qualitative representations for robots * Integrated task and motion planning * Context-based scene understanding * Semantic mapping and reasoning with semantic maps * Constraint-based reasoning for robots * Continuous planning and on-line problem solving for robots * AI-enabled human-robot interaction * Lifelong learning and adaptation

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understanding of the basics of sleep-wake regulation and the discovery of new neurotrans-mitter systems (the hypocretins) has boosted research and key findings in the field, provid-ing important insights into how sleep is regulated Consequently narcolepsy now receives a

Glossary of Qualitative Research Terms - Home - Springer

308 Glossary of Qualitative Research Terms Key Word Definition citing Citing means referring to the work of an author by name (and usually by year of publication, depending on stylistic conventions) in the body of a research report (Writing Up Your Research, p 291) claim A claim is a new understanding …

DIFFERENTIAL EQUATIONS DRIVEN BY FRACTIONAL BROWNIAN …

DIFFERENTIAL EQUATIONS DRIVEN BY FRACTIONAL BROWNIAN MOTION AS RANDOM DYNAMICAL SYSTEMS: QUALITATIVE PROPERTIES David Nualart (Kansas U, USA); Björn Schmalfuß (U Paderborn, Germany); Frederi G Viens (Purdue U, USA) Monday September 29 to Saturday October 4, 2008 The focused research group on Stochastic Differential Equations driven by …

Mixed-State Auto-Models and Motion Texture Modeling

Mixed-State Auto-Models and Motion Texture Modeling 389 Figure 1 Two images of sports video segments (involving respectively, a zoom combined with an upward-tilt camera motion, and a right panning motion) and their corresponding maps of the estimated dominant image motion fields $w\xi$ and of residual motion measurements vres

Multivariable Calculus with MATLAB - rd.springer.com

This Springer imprint is published by Springer Nature The registered company is Springer International Publishing AG The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland Preface 0 2 1 2 z 2 1 1 3 y x 4 0-1-1 -2 The preface of a book gives the authors their best chance to answer an extremely important question: What makes this book special? This book is a reworking and

Expressive motions recognition and analysis with learning …

and understanding human movement This method captures both quantitative and qualitative aspects of the movement Based on its four factors (Body, Space, Shape, and E ort), the LMA helps to make a link between expressive motion qualities and emotions which …

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gravity and has led, for instance, to a better understanding of black hole thermodynamics and the physical consequences of inflationary cosmology

QFT in curved space is often discussed in terms of free or weakly coupled field theories, in which case perturbative calculations are under control While most of the qualitative – 1 –

Recognition of Human Motion From Qualitative Normalised …

Recognition of Human Motion From Qualitative Normalised Templates we concentrate solely on behaviour understanding Behaviour under- standing consists of the recognition and description of

Texts in Differential Applied Equations and Dynamical Systems

This book covers those topics necessary for a clear understanding of the qualitative theory of ordinary differential equations and the concept of a dynamical system It is written for advanced undergraduates and for beginning graduate students It begins with a study of linear systems of

ASTRONOMY AND Pseudo-Newtonian models of a rotating black …

Pseudo-Newtonian models of a rotating black hole field Oldˇrich Semer ak´ 1 and Vladim´ır Karas 2 1 Department of Theoretical Physics, Faculty of Mathematics and Physics, Charles University, V Holeˇsovi ˇck ach 2,´ CZ-18000 Praha 8, Czech Republic (e-mail: semerak@mboxtrojamffcunicz)

LNAI 7926 - Assessment and Learning of Qualitative Physics …

Assessment and Learning of Qualitative Physics in Newton's Playground 581 3 Method 31 Sample 165 8th and 9th grade students (76 male, 91 female) enrolled at the Florida State Uni-versity School participated in the study Each student was paid $25 for participation 32 Procedure

The Lorenz Attractor, a Paradigm for Chaos

The Lorenz Attractor, a Paradigm for Chaos 3 precision Yet, the theory would be rather poor if it was limited to this absence of determinism and did not encompass any deductive aspect On the contrary, I want to insist on the fact that, by asking the good questions, the theory is able to

4 From Flight Dynamics to Control Algorithms

tured a great deal about its qualitative behavior Low Reynolds number flows are slow, orderly, and laminar Flows with high Reynolds number are fast, turbulent, and mixing The Reynolds number has a simple formula in terms of four fundamental characteristics of the flow: (1) the diameter of the key features (eg, of the golf ball),

Research Trends in Fluid Dynamics

much partial qualitative understanding has been achieved Even in the absence of complete understanding, we have been forced to develop (necessarily not completely satisfactory) ways of computing turbulent flows for design purposes The inadequacy of the models used is the factor limiting further development of computational fluid dynamics The