



ביה"ס לפיזיקה ולאסטרונומיה

חגיגת מדע

לכבודו של פרופ' דוד הורן עם צאתו לגמלאות בהשתתפות תלמידיו לדורותיהם

תקיים באוניברסיטת תל אביב ביום ראשון א' בטבת תשס"ו, 1 בינואר 2006

10:00 הרצאות (אולם לב, ביה"ס לפיזיקה ולאסטרונומיה)

- פרופ' משה משה (טכניון)
- פרופ' מרק קרלינר (אוניברסיטת ת"א)
- פרופ' מרוס אושר (אוניברסיטת ניו יורק)
- מר צח סולן (אוניברסיטת ת"א)

12:30 ארוחת צהריים לנרשמים (מועדון הסגל, הבית הירוק)

14:45 מפגש תלמידים לשעבר

PHYSICAL REVIEW D
VOLUME 19, NUMBER 12
15 JUNE 1979

Hamiltonian approach to Z(N) lattice gauge theories
D. Horn
Tel Aviv University, Ramat Aviv, Israel
M. Weinstein
Stanford Linear Accelerator Center, Stanford, California 94305

We develop a Hamiltonian formalism for Z(N) lattice gauge theories... We present a short review of the connection between Z(N) gauge theories and algebraic emergence of topological order... We discuss the Hamiltonian Z(N) configurations of motion which are recently noted by 't Hooft... We construct the Hamiltonian approach to our Hamiltonian formulation... We discuss the connection between Z(N) gauge theories and topological constraints... We discuss the connection between Z(N) gauge theories and topological constraints... We discuss the connection between Z(N) gauge theories and topological constraints...

PHYSICAL REVIEW D
VOLUME 31, NUMBER 10
15 MAY 1985

The Γ expansion and SU(2) lattice gauge theory
David Horn*, Marek Karliner, and Marvin Weinstein
Stanford Linear Accelerator Center, Stanford University, Stanford, California 94305

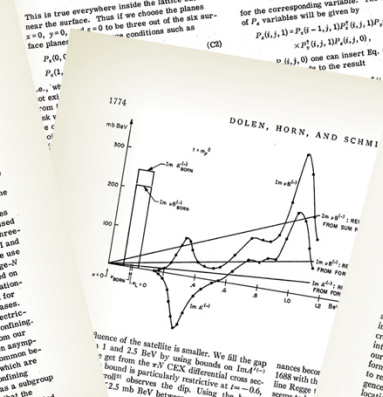
This paper presents the results obtained by applying the Γ expansion to the case of an SU(2) lattice gauge theory in 3+1 spacetime dimensions... We present calculations of the ground-state energy density, the string tension σ , and the mass of the lowest-lying ρ^0 gluball... We present calculations of the ground-state energy density, the string tension σ , and the mass of the lowest-lying ρ^0 gluball... We present calculations of the ground-state energy density, the string tension σ , and the mass of the lowest-lying ρ^0 gluball...

PHYSICAL REVIEW LETTERS
VOLUME 88, NUMBER 1
PHYSICAL REVIEW LETTERS

Algorithm for Data Clustering in Pattern Recognition Problems Based on Quantum Mechanics
David Horn and Assaf Gottlieb
School of Physics and Astronomy, Ramat Aviv Center, Tel Aviv University, Tel Aviv 6978, Israel

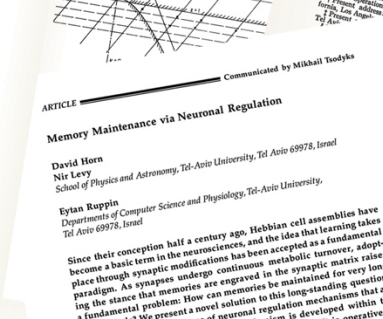
We propose a novel clustering method that is based on physical intuition derived from quantum mechanics... We present a novel clustering method that is based on physical intuition derived from quantum mechanics... We present a novel clustering method that is based on physical intuition derived from quantum mechanics...

HAMILTONIAN APPROACH TO Z(N) LATTICE GAUGE THEORIES
D. Horn
M. Weinstein



PHYSICAL REVIEW LETTERS
VOLUME 164, NUMBER 1
15 FEBRUARY 1990

Finite-Energy Sum Rules and Their Application to π -N Charge Exchange
R. Drexler, D. Horn, and C. Susskind
California Institute of Technology, Pasadena, California



PHYSICAL REVIEW LETTERS
VOLUME 77, NUMBER 1
15 JULY 1976

Unsupervised learning of natural languages
Zach Solon*, David Horn*, Eytan Ruppin*, and Shimon Edelman*

We address the problem of learning natural language structure from raw text... We address the problem of learning natural language structure from raw text... We address the problem of learning natural language structure from raw text...

PHYSICAL REVIEW LETTERS
VOLUME 77, NUMBER 1
15 JULY 1976

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