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Physics - Physics Department

The Lueverian Model and Easonian Theorem. Authors: Savior F. Eason Comments: 14 Pages. Proposes a mathematical formula for measuring and calculating in hyper-space, as well as a theorem for calculating the mandelbrot set of Quantum information making up our universe.

viXra.org e-Print archive, Mathematical Physics

In problems concerning gravity on earth the acceleration (a) becomes approximately 9.8 meters per second squared (a). An object that starts from rest falls for one second at a speed of 9.8 m/s. After 2 seconds the speed is 19.6 m/s and after 3 seconds it is 29.4 m/s.

Physics - Mobile Friendly

In this comment we address the preprint of Jha and Hirata (arXiv:1809.10316 [physics.chem-ph]) which claims "Numerical Evidence Falsifying Finite-Temperature Many-Body Perturbation Theory." We agree that finite difference differentiation of the exact grand potential is the correct way to verify the terms in the perturbation expansion.

Physics authors/titles "new" - arXiv

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Physics. The Z-pinch is an application of the Lorentz force, in which a current-carrying conductor in a magnetic field experiences a force. One example of the Lorentz force is that, if two parallel wires are carrying current in the same direction, the wires will be pulled toward each other.

Z-pinch - Wikipedia

The Standard Model of particle physics is the theory describing three of the four known fundamental forces (the electromagnetic, weak, and strong interactions, and not including the gravitational force) in the Universe, as well as classifying all known elementary particles. It was developed in stages throughout the latter half of the 20th century, through the work of many scientists around the ...

Standard Model - Wikipedia

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Laser Physics - IOPscience

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Black Hat USA 2013 | Briefings

Rutgers Physics News The 2018 Clarivate Analytics (formerly Thomson Reuters) list of highly-cited researchers was just released and we are delighted that, once again, two of our colleagues, Sang-Wook Cheong and Saurabh Jha, are included among this group. This distinction places them among the top 1% most cited for their subject field and year of publication, earning them the mark of exceptional ...

Rutgers University Department of Physics and Astronomy

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