

GAUGE
INSTITUTE
JOURNAL
OF MATH
AND PHYSICS

Editor Robert Y. Levine

Editorial Board

Carlos Caballero

H. Vic Dannon

Ariel Ish-Shalom

James E. Shirey

Stuart P. Smith

The *Gauge Institute Journal of Math and Physics* is a quarterly print journal that publishes insights regarding problems of math and physics. A published article should be attractive to the non-specialist.

Feb 2005 [Hilbert's 1st Problem: Cantor's Continuum Hypothesis](#)

H. Vic Dannon

May 2005 [Entangled Simultaneous Measurement and Elementary](#)

Particle Representations *Robert Y. Levine H. Vic Dannon*

Aug 2005 **Zero Point Energy: Planck Radiation Law** *H. Vic Dannon*

Nov 2005 **Zero Point Energy: Thermodynamic Equilibrium and Planck Radiation Law** *H. Vic Dannon*

Feb 2006 **Rationals Countability and Cantor's Proof** *H. Vic Dannon*

May 2006 **Riemann's Zeta Paper: The Product Formula Error**
H. Vic Dannon

Aug 2006 **Elementary Particle Mixing for Maximum Channel capacity in measured Decays** *Robert Y. Levine*

Nov 2006 **Wave-Particle Duality: de Broglie Waves and Uncertainty**
H. Vic Dannon

Feb 2007 **Cantor's Set and the Cardinality of the Reals** *H. Vic Dannon*

May 2007 **Non-Cantorian Set Theory** *H. Vic Dannon*

Aug 2007 **Cardinality, Measure, and Category** *H. Vic Dannon*

Nov 2007 **The Continuum Hypothesis, The Axiom of Choice, and Non-Cantorian Theory** *H. Vic Dannon*

- Feb 2008 [The Continuum Hypothesis](#) *H. Vic Dannon*
- May 2008 [Chi-Squared Goodness-of-fit test of the Riemann Hypothesis](#)
H. Vic Dannon
- Aug 2008 [Riemann's Formula for Count of the Primes: The effect of the Hypothesis Series](#) *H. Vic Dannon*
- Nov 2008 [Power Means Calculus: Product Calculus, Harmonic Mean Calculus, and Quadratic Mean Calculus](#) *H. Vic Dannon*
- Feb 2009 [The Fundamental Theorem of the Fractional Calculus, and the Meaning of Fractional Derivatives](#) *H. Vic Dannon*
- May 2009 [Feynman Integral and Convolution Products](#) *H. Vic Dannon*
- Aug 2009 [The Weak Mixing Matrix](#) *H. Vic Dannon*
- Nov 2009 [Riemann Zeta Function: the Riemann Hypothesis Origin, the Factorization Error, and the Count of the Primes](#) *H. Vic Dannon*
- Feb 2010 [Extension of Lorentz Group Representations for Chiral Fermions](#)
Robert Y Levine & James Y-K Cho
- [The W Mediated Weak Decay as an Information Channel](#)
Robert Y Levine & James Y-K Cho

May 2010 [Well-Ordering of the Reals, Equality of all Infinities, and the Continuum Hypothesis](#) *H. Vic Dannon*

Aug 2010 [Riemann Hypothesis Proof](#) *H. Vic Dannon*

Nov 2010 [Infinitesimals](#) *H. Vic Dannon*

Feb 2011 [Lebesgue Integration](#) *H. Vic Dannon*

May 2011 [Riemannian Integration](#) *H. Vic Dannon*

Aug 2011 [Riemannian Trigonometric Series](#) *H. Vic Dannon*

Nov 2011 [Infinitesimal Calculus](#) *H. Vic Dannon*

[Correction to Rationals Countability and Cantor's Proof](#) *H. Vic Dannon*

Feb 2012 [The Delta Function](#) *H. Vic Dannon*

May 2012 [Delta Function, the Fourier Transform, and Fourier Integral Theorem](#) *H. Vic Dannon*

August 2012 [Infinite Series with Infinite Hyper-real Sum](#)

H. Vic Dannon

November 2012 [Zero Point Energy and the Charge-Radiation Equation in Bohr's Atom](#) *H. Vic Dannon*

American Journal of Physics claims that h approaching zero does not
imply Classical Mechanics *H. Vic Dannon*

February 2013 Photon's Spin, Diffraction, and Radius. The One Photon
Hypothesis, and Stopped Photon *H. Vic Dannon*

May 2013 Periodic Delta Function and Dirichlet Summation of Fourier
Series *H. Vic Dannon*

August 2013 The Aharonov-Bohm Magnetic Field is Non-Zero and the
Electron Spirals towards the Center *H. Vic Dannon*

November 2013 A Hypothesis that Dark Matter is Regular Matter,
Invisible, since it Moves Faster Than Light *H. Vic Dannon*

February 2014 Gravitational Waves and the Origin of Gravitation
H. Vic Dannon

I. Gravitational Waves Do Not Propagate at Light Speed. And
Mercury's Perihelion Precession Does Not confirm General Relativity

H. Vic Dannon

II. Hulse-Taylor Pulsar Periastron Precession is due to Magnetic
Attraction propagating at light-speed, by Electromagnetic Waves

H. Vic Dannon

III. Supernova Models indicate that the Neutrino is the Quantum of
Gravitational Radiation. The Origin of Gravitation is the Transition

between the d-quark energy level, and the u-quark energy level of a Nucleon

H. Vic Dannon

May 2014 The Neutrino Mixing Matrix *H. Vic Dannon*

Neutrino-less Double Beta Decay violates Angular Momentum Conservation *H. Vic Dannon & Robert Y Levine*

August 2014 Radiation Equilibrium, Inertia Moments, and the Nucleus Radius in the Electron-Proton Atom *H. Vic Dannon*

November 2014 Infinitesimal Complex Calculus *H. Vic Dannon*

February 2015 Delta Function of a Complex Variable *H. Vic Dannon*

May 2015 Fourier Transforms and Fourier Integrals of a Complex Delta Function and of an Analytic Function *H. Vic Dannon*

August 2015 The Neutron as a Collapsed-Hydrogen Atom: Zero Point Energy & Nuclear Binding Energy, X Rays & Gamma Rays, Nuclear Forces & Bonding, Neutronic Electrons Orbitals, and Neutron Stars

H. Vic Dannon

American Mathematical Monthly claims that in a Circular Motion, the Radial Acceleration is zero, there is no Gravitational Force, the Earth does not orbit the Sun, and the Sun's Mass is Zero

H. Vic Dannon

November 2015 The Casimir Effect Fallacy: Casimir's Zero Point Energy has Infinite Mass, is not Conserved, and is Falsely based on

Euler's Formula. The Fallacy No Journal Accepted, that Resonates to No End in Journals *H. Vic Dannon*

Regarding Response to American Mathematical Monthly Confusion about Circular Motion

H. Vic Dannon

February 2016 **The Sun's Orbit Radius, and Period** *H. Vic Dannon*

May 2016 **Radiation Power Equilibrium as key to Nuclear Forces**

H. Vic Dannon

August 2016 **Faster Than Light Motion** *H. Vic Dannon*

November 2016 **EPR, and the Paradoxial Axiomatic Quantum Mechanics** *H. Vic Dannon*

February 2017 **Mass Conversion into Neutrino Energy** *H. Vic Dannon*

May 2017 **Einstein's General Relativity is Electromagnetic**

H. Vic Dannon

August 2017 **Radiation-Reaction Forces in the Hydrogen Atom, and in the Neutron**

H. Vic Dannon

November 2017 **The Fourier Series of a Singular Function of a Complex Variable**

H. Vic Dannon

February 2018 [Cantor's Paradoxical Diagonal Argument, and Transfinite Induction](#) *H. Vic Dannon*

May 2018 [What are Dirac Magnetic Monopoles, Where Are They, and What They Mean](#) *H. Vic Dannon*

August 2018 [Zero Point Energy, and Electromagnetic Entropy](#) *H. Vic Dannon*

Submission: Email the file to the editor, [**rlevine@comcast.net**](mailto:rlevine@comcast.net)

or to the Journal, [**journal@gauge-institute.org**](mailto:journal@gauge-institute.org),

or mail one copy to the **Gauge-Institute, P.O. Box 18125 Minneapolis MN 55418.**

The manuscript should have not been published previously, and is not considered for publication elsewhere.