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Electromagnetics

A Local Ether

Wave Equation

Unifying Quantum

Mechanics

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And Gravitation

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# Gravitation

A Local Ether

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A Local Ether

**Quantum**

**Electromagnetics A**

**Local Ether**

The theory of Quantum

Electromagnetics

presents a wave

equation which is

constructed, in

compliance with

Galilean

transformations, for

electromagnetic and

matter waves. A

fundamental feature

entirely different from

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Quantum

Electromagnetics

the principle of

relativity is that the

wave equation is

referred specifically to

the proposed local-

ether frame.

Electromagnetics

Quantum

**Electromagnetics: A**

**Local-Ether Wave**

**Equation ...**

Quantum

Electromagnetics - A

Local-Ether Wave

Equation Unifying

Quantum Mechanics,

Electromagnetics, and

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## Quantum

Electromagnetics

Gravitation. Ching-

Chuan Su Department

of Electrical

Engineering National

Tsinghua University

Hsinchu, Taiwan

Abstract - The theory  
of Quantum Electromag-

netics presents a wave  
equation which is

constructed, in

compliance with

Galilean

transformations, for

electromagnetic and

matter waves.



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Quantum

Electromagnetics

**Quantum**

**Electromagnetics - A**

**Local-Ether Wave**

**Equation ...**

For electromagnetic

wave, the local-ether

wave equation

accounts for a wide

variety of propagation

phenomena, including

those commonly

ascribed to the general

relativity. For matter

wave, the wave

equation leads to

modifications of

Schrödinger's equation

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Quantum Gravitation

**Electromagnetics - A**

**Local-Ether Wave**

**Equation ...**

The consequences of the wave equation are in accord with a wide variety of experiments which are commonly

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Quantum

Electromagnetics

Ascribed to the special

relativity, the general

relativity, the Lorentz

mass-variation law,...

Unifying Quantum

Mechanics

Electromagnetics

... And Gravitation

For electromagnetic

wave, the local-ether

wave equation

accounts for a wide

variety of propagation

phenomena, including

those commonly

ascribed to the general

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## Quantum

relativity. For matter

wave, the wave

equation leads to  
modifications of

Schrödinger's equation

which in turn leads to a

unified quantum theory

of electromagnetic and

gravitational forces in

conjunction with the

identity of inertial and

gravitational mass.

## Quantum

**electromagnetics - A**

**local-ether wave ... -**

**CORE**

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Quantum

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Wave Equation

Unifying Quantum

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And Gravitation

An electromagnetic wave propagates at a constant speed with respect to the associated local ether, independent of the motions of source and receiver. Based on this local-ether model of wave...

**A local-ether model  
of propagation of  
electromagnetic  
wave**

Quantum

Energy Variation and

Online Library

Quantum

Electromagnetics

Resonant-Absorption

Condition Based on the

local-ether wave

equation, it has been

found that the mass of

a particle in- creases

with its speed by the

famous Lorentz mass-

variation factor, except

that the speed is

referred specifically to

an ECI frame for

earthbound particles.

**arXiv:physics/02080**

**84v1 [physics.gen-**

**ph] 23 Aug 2002**

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## Quantum

### Electromagnetics

The ether could be a

continuum described

by continuous

mathematical models,

with differential

geometry extended to

fractal geometry. Once

the physics of chaos

and nonlocality in the

ether is better

understood, quantum

ether engineering

might permit

controlling

fundamental chance

and change. Life, mind

and Mind in the ether

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Quantum

Electromagnetics

and beyond

A Local Ether

**Ether, quantum,**

**chaos: Building**

**blocks for**

**transcendence ...**

In the 19th century, luminiferous aether (or ether), meaning light-bearing aether, was a theorized medium for the propagation of light (electromagnetic radiation). However, a series of increasingly complex experiments had been carried out in



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## Quantum

Electromagnetics

the late 1800s like the

Michelson-Morley

experiment in an attempt to detect the motion of Earth

through the aether, and had failed to do so.

**Aether theories -**

**Wikipedia**

This mean that either quantum physics was incomplete or non-local events [i.e., instantaneous information transmission]

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### Quantum

occurred.” The Cosmic Code, by Heinz Pagels, Bantam Books, NY, 1982, p. 139. Einstein’s Theory of Relativity is also incomplete, as physicists have not, as yet, obtained a Grand Unification Theory based upon it.

### **Tesla vs. Einstein: The Ether & the Birth of the New ...**

The quantization of the electromagnetic field, means that an

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## Quantum

### Electromagnetism

electromagnetic field consists of discrete energy parcels, photons. Photons are massless particles of definite energy, definite momentum, and definite spin.. In order to explain the photoelectric effect, Albert Einstein assumed heuristically in 1905 that an electromagnetic field consists of particles of energy of amount  $h\nu$ , where  $h$ ...

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Quantum  
Electromagnetics

**Quantization of the  
electromagnetic  
field - Wikipedia**

$\$ \backslash \text{begin} \text{group} \$$

Personally, I think you are right. The ideas are the same with respect to both describing

something that permeates all of space (and, time) and acts on "everything". I would not say "everything" for a single field though since Physics offers up different

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Quantum

Electromagnetics

fields for different

purposes: We have

motion fields  
(describing the flow of  
a liquid for example),

we have temperature  
fields ...

Electromagnetics

**spacetime - Ether**

**vs. Quantum Field**

**Theory - Physics**

**Stack ...**

quantum states in such  
an atom depend on the  
mass of electron, which  
in turn has been known  
to depend on speed.

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Quantum

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And Gravitation

**Resonant Absorption  
between Moving  
Atoms due to  
Doppler ...**

The speed restriction  
that applies to the  
propagation of  
transverse

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## Quantum

electromagnetic wave

quanta through the

ether does not apply at  
the subquantum level.

Bell's theorem tells us  
that no theory

explaining quantum  
phenomena in terms of

local hidden variables  
can account for distant

entanglement. But

subquantum kinetics

does not have the

problems ...

## **The Cosmic Ether: Introduction to**

*Page 23/30*

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Quantum

Electromagnetics

**Subquantum**

**Kinetics ...**

Within the chapters of this book, we will show that the Aether is a fabric of quantum rotating magnetic fields with electromagnetic, electrostatic, and

gravitational dipole

structures. Our theory

identifies subatomic

particles as angular

momentum

encapsulated in a

quantum, rotating



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Quantum

Electromagnetics

magnetic field.

A Local Ether

### **Secrets of the Aether**

aether/ether was

intended. That said,

Pauli and other writers  
have used "ether" as a

synonym for

electromagnetic field.

The advantage that

such an entity has over

the earlier material

medium ether is that

(a) it doesn't result in

the various difficulties

that came out of

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Electromagnetics

And Local Ether

Wave Equation

Unifying Quantum

**Is the quantum field  
an aether? | Physics  
Forums**

the local-ether model is still in accord with the Michelson-Morley experiment which is known to make the classical ether notion obsolete. Moreover, by modifying the speed of light in a gravitational

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Quantum

Electromagnetics

Abstracts

Wave Equation  
potential, this simple  
propagation model  
leads to the deflection  
of light by

Unifying Quantum

**arXiv:physics/02080**

**82v1 [physics.gen-  
ph] 23 Aug 2002**

(or quantum effects in  
electromagnetics, or  
quantization of

electromagnetic fields)

so as to render it more  
accessible to a larger  
community, and

thereby popularizing  
this important field. This

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## Quantum

### Electromagnetics

name is appropriate as it is expected that these effects will be felt across the electromagnetic spectrum in addition to optics. The rise of the importance of quantum electromagnetics is spurred by technologies for single photon sources and measurements [5, 6], the

## Quantum

### Electromagnetics: A

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Electromagnetics

## **New Look, Part I**

The famous Fizeau's interferometry experiment with flowing water is commonly cited as a demonstration of the velocity transformation in the special relativity. In this investigation, by taking into account the modification of the propagation velocity due to the motion of dielectric medium and the modification of the propagation length due

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Electromagnetics  
to the Sagnac effect,

A Local Error  
an entirely different ...

Wave Equation

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ecf8427e.

And Gravitation