



On The Frontier

Published information by other Authors



[HOME PAGE](#)

Fair Use Copyright Disclaimer

Fair Use

The Copyright Disclaimer under section 107 of the Copyright Act of 1976 provides that allowance is made for “fair use” for purposes such as criticism, comment, news reporting, teaching, scholarship, education and research.

Fair use is any use permitted by copyright statute that might otherwise be infringing.

Fair Use Definition

Fair use is a doctrine in United States copyright law that allows limited use of copyrighted material without requiring permission from the rights holders, such as commentary, criticism, news reporting, research, teaching or scholarship. It provides for the legal, non-licensed citation or incorporation of copyrighted material in another author’s work under a four-factor balancing test.

Four Factors of Legitimate Fair Use of Copyrighted Material

1. Purpose of use

Scholarly research & educational purposes
Transformative use - creation of new knowledge
Not-for-profit

- Continued Next Page -

Fair Use Copyright Disclaimer

(Continued From Previous Page)

2. Nature of copyrighted work

Previously published
Contains little to no creative expression
Contains mostly factual information

3. Quantity Used

Use of limited amount
Quantity used not central to the composition
Amount used achieves the stated purpose (Use of entire composition if needed to achieve objective may qualify)
Reduced resolution of images or graphics or used to achieve objective

4. Market Effect

Effect of use on economic/market value
Market for the material is absent or negligible
Use does not affect the current market

Site Links To Articles, Abstracts, Essays and Videos By Other Authors

This section is intended to provide the reader with access to articles, transcripts, excerpts, video clips or other material which may be referenced in various documents on this website or for the purpose of further education, critical review, research, explanation and/or support for new knowledge presented herein.

Long experience has proven that it is necessary to have these references available “on site” because the landscape of the Internet is always changing and links to these materials may not be available or else fail to work correctly (link rot). Indeed, some of the works themselves may be very difficult (or even impossible) to find due to their obscure origin, highly technical nature or ephemeral existence.

These references are necessary for support of concepts presented on the site, to support, understand or provide context for new knowledge, for scholarly research, educational purposes or for other legitimate purposes such as criticism, comment, news reporting, and teaching.

Site Links To Articles, Abstracts, Essays and Videos By Other Authors

(Continued From Previous Page)

All these references have been published elsewhere and most are of a scholarly nature, although some are excerpts, transcripts of audio files, popularized articles, or video clips. Credit and citations for the authors and publication are part of each reference, except where identification of the author or source was not provided in the original material. Some redaction of long or complex works was necessary due to space limitations or context requirements.

The original format, content and appearance of each reference has been preserved to the extent possible, except where it was necessary for file size reduction, elimination of unneeded material, to provide supplemental or introductory information lacking in the original document, or, where there were obvious typographic, formatting or other errors that impaired comprehension or access to information content.

Links

GENERAL ARTICLES

[**Battle For the Stars**](#)

[**Shooting For The Sun**](#)

[**Science Denied - Why Does Doubt Persist?**](#)

[**Wanted: Psychopaths to Play the Stock Market**](#)

[**When To Launch A Technology Attack**](#)

[**Pathological Skepticism And Pseudoskepticism**](#)

[**When Do We Lose Our Taste For The New?**](#)

[**The Gifts Of Athena**](#)

[**SEFI Scoping Study on Financial Risk Management Instruments for Renewable Energy Projects, Part 1 Executive Summary**](#)

- Continued Next Page -

SPACE & SPACE TRAVEL

Should A Mars Colony Be Independent, Or Just A Colony Of Earth?

Water in Hellas Planitia

PHYSICS

The Quantum Vacuum As The Origin Of The Speed Of Light

Abstract - Why Einstein Did Not Believe That General Relativity Geometricizes Gravity

Texas Physicist Makes New Advance For Quantum Gravity (Variable Light Speed)

Update - The Decrease in the Speed Of Light (Variable Light Speed)

Faster Than The Speed Of Light (Variable Light Speed)

Modified Structure Of Protons And Neutrons Correlated Pairs

Theory of a Mach Effect Thruster 1

Theory of a Mach Effect Thruster 2

Gravity And Quark Entanglement

Thermal Physics

American Journal of Physics, Volume 30, No. 1, January 1962 (Strange Carnot Cycle)

ATTI, Volume 114, 1980 (Perpetual Motion Consistent with Thermodynamics, C. Truesdell)

Advanced Engineering Thermodynamics, Adrian Bejan, Pgs 96 & 97, 1998 (Monothermal Engine)

Malone's Liquid Engine, Evolution Of The Heat Engine, Kolin, 1972

INNOVATION & INVENTION

Excerpt: "Technological information, Its Environment And Management

Cognitive Processes And The Suppression Of Sound Scientific Ideas

Barriers To Scientific Contributions: The Author's Formula

Van Driver's Work in Massachusetts Aided Nobel Winners

Patent Flooding: America's New Patent Challenge

NPR Podcast Transcript - Peering Into The Dark Side Of Scientific Discovery

Does Science Advance One Funeral At A Time? NBER Research Paper 21788

PROPELLANTLESS PROPULSION

Application Of Inertial Forces For Generating Unidirectional Motion

Reactionless Drive With Conservation Of Momentum

Propellantless Propulsion From Quantized Inertia

Vibratory Locomotion Revisited

Inertial Drive With Swinging Mass Propels Vehicle

Ideas For Propellantless Propulsion

Electrokinetics As A Propellantless Propulsion Source

Video Clips:

Why Nobody Can Explain The Dean Drive

New Space Engine – Dean Spacecraft Propulsion

Fundamentals of a Propulsion System Concept

New Proof That The Thornson Inertial Propulsion Drive Should Work