

# The Casimir Effect

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### **CASIMIR EFFECT - WIKIPEDIA**

*Thu, 11 May 2017 17:42:00 GMT*

overview. the casimir effect can be understood by the idea that the presence of conducting metals and dielectrics alters the vacuum expectation value of the energy of ...

### **WHAT IS THE CASIMIR EFFECT? - SCIENTIFIC AMERICAN**

*Wed, 26 Apr 2017 21:20:00 GMT*

this effect, that two mirrors in a vacuum will be attracted to each other, is the casimir effect. it was first predicted in 1948 by dutch physicist hendrick casimir.

### **WHAT IS THE CASIMIR EFFECT? - THOUGHTCO IS THE WORLD'S ...**

*Mon, 30 Nov 2015 23:58:00 GMT*

question: what is the casimir effect? answer: the casimir effect is a result of quantum physics that seems to defy the logic of the everyday world.

### **CASIMIR EFFECT TIME TRAVEL - ANDERSON INSTITUTE**

*Fri, 12 May 2017 22:49:00 GMT*

the casimir effect is a physical force arising from a quantized field, for example between two uncharged plates. this can produce a locally mass-negative ...

### **THE CASIMIR EFFECT - UNIVERSITY OF CALIFORNIA, RIVERSIDE**

*Thu, 11 May 2017 19:30:00 GMT*

[physics faq] - calculation by don koks, 2002 original by philip gibbs, 1997. what is the casimir effect? the casimir effect is a small attractive force that acts ...

### **WHAT IS THE CASIMIR EFFECT? - BRIAN KOBERLEIN**

*Wed, 26 Apr 2017 07:09:00 GMT*

the casimir effect is a great example the strangeness of quantum theory, and how even some of its strangest predictions turn out to be right.

### **[HEP-TH/0503158] THE CASIMIR EFFECT AND THE QUANTUM VACUUM**

*Wed, 18 Jan 2017 00:01:00 GMT*

abstract: in discussions of the cosmological constant, the casimir effect is often invoked as decisive evidence that the zero point energies of quantum fields are ...

### **PHYSICS - SYNOPSIS: A CASIMIR EFFECT CAUSED BY GRAVITY**

*Tue, 24 Feb 2015 23:52:00 GMT*

two mirrors placed a few nanometers apart in a vacuum experience an attractive force. this so-called casimir effect is a consequence of how the mirrors perturb ...

### **CASIMIR EFFECT - MCGILL SCHOOL OF COMPUTER SCIENCE**

*Thu, 11 May 2017 20:34:00 GMT*

in physics, the casimir effect and the casimir-polder force are physical forces arising from a quantized field. the typical example is of two uncharged metallic ...

### **THE CASIMIR EFFECT: A FORCE FROM NOTHING**

*Wed, 10 May 2017 19:38:00 GMT*

physics world september 2002 physicsweb 31 was determined by the capacitance of the two plates. to prevent the casimir force from being swamped by the elec-

## **CASIMIR EFFECT | PHYSICS | BRITANNICA**

*Fri, 12 May 2017 05:38:00 GMT*

casimir effect, also called casimir-lifshitz effect, effect arising from the quantum theory of electromagnetic radiation in which the energy present in empty space ...

## **WHAT IS THE CASIMIR EFFECT? - QUORA**

*Sun, 04 Jan 2015 23:56:00 GMT*

the casimir effect is an illustration of one of the peculiar properties of quantum mechanics, namely that in 'empty' space you still have a constant flux of virtual ...

## **CASIMIR EFFECT - MCGILL SCHOOL OF COMPUTER SCIENCE**

*Sat, 18 Mar 2017 08:52:00 GMT*

2007 schools wikipedia selection. related subjects: general physics. in physics, the casimir effect is a physical force exerted between separate objects, which is due ...

## **BACKREACTION: THE CASIMIR EFFECT**

*Sat, 03 Nov 2007 23:55:00 GMT*

carlbrannen said... bee, i blundered into a lecture by schwinger on his source theory that mentions the application to the casimir effect: the theory of ...

## **THE CASIMIR EFFECT: PHYSICAL MANIFESTATIONS OF ZERO-POINT ...**

*Sun, 30 Oct 2016 05:25:00 GMT*

in its simplest manifestation, the casimir effect is a quantum force of attraction between two parallel uncharged conducting plates. more generally, it refers to the ...

## **CASIMIR EFFECT (2011) - IMDB**

*Thu, 11 May 2017 04:42:00 GMT*

share this rating. title: casimir effect (2011) 6.6 /10. want to share imdb's rating on your own site? use the html below.

## **NEW DEVELOPMENTS IN THE CASIMIR EFFECT**

*Sun, 16 Apr 2017 16:17:00 GMT*

new developments in the casimir effect m. bordag, u. mohideen, v.m. mostepanenko electriciteh de france, div. r&d, mftt, 6 quai watier, 78400 chatou, france

## **CASIMIR EFFECT & BLACK HOLES - SIXTY SYMBOLS**

*Wed, 19 Mar 2014 23:57:00 GMT*

casimir effect, black holes and hawking radiation. featuring professor mike merrifield from the university of nottingham - https: ...

## **THE CASIMIR EFFECT - HOME | FACEBOOK**

*Tue, 09 May 2017 10:28:00 GMT*

the casimir effect. 213 likes · 27 talking about this. the casimir effect is an oregon-based independent rock band. their debut album don't blink,...

## **THE CASIMIR-EFFECT: NO MANIFESTATION OF ZERO-POINT ENERGY**

*Thu, 23 Feb 2017 13:37:00 GMT*

6 frequencies, and assuming  $z \gg d$ , casimir found a surprisingly simple result:  $f_{\text{casimir}} = -\frac{\pi^2}{120} \frac{\hbar c^4}{d^4} \approx -1.3 \cdot 10^{-9} \frac{\text{n} \cdot \text{xy}}{\text{mm}^2} \frac{\text{d}4}{\mu\text{m}^4}$  (5) this is a small ...

## **THE CASIMIR EFFECT: MUCH ADO ABOUT NOTHING - THE ECONOMIST**

*Fri, 23 May 2008 23:59:00 GMT*

the casimir effect much ado about nothing the casimir effect, a curious consequence of quantum theory, may yet have practical applications may 22nd 2008

**THE CASIMIR EFFECT - RESEARCHGATE**

*Thu, 27 Apr 2017 01:38:00 GMT*

after a review of the standard calculation of the casimir force between two metallic plates at zero and non-zero temperatures, we present the study of microscopic ...

**THE CASIMIR EFFECT - RESEARCHGATE**

*Wed, 10 May 2017 19:09:00 GMT*

the casimir effect on researchgate, the professional network for scientists.

**CASIMIR EFFECT - SCIENTIFIC AMERICAN**

*Sun, 11 Oct 2009 23:53:00 GMT*

named for a dutch physicist, the casimir effect governs interactions of matter with the energy that is present in a vacuum. success in harnessing this force could ...

**THE CASIMIR EFFECT FOR FIELDS WITH ARBITRARY SPIN**

*Mon, 01 May 2017 20:32:00 GMT*

the casimir force arises when a quantum field is confined between objects that apply boundary conditions to it. in a recent paper we used the two-spinor calculu

**CASIMIR EFFECT - DAVID DARLING**

*Thu, 11 May 2017 16:02:00 GMT*

the casimir effect is a small attractive force that acts between two close parallel uncharged conducting plates. its existence was first predicted by the ...

**A FORCE FROM EMPTY SPACE: THE CASIMIR EFFECT - APODSA**

*Mon, 03 Apr 2017 00:48:00 GMT*

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