

سر الكهرباء الباردة  
فانون التيموديناميك وهرطفن اللآهروأثر

استثمار الكهرباء الساكنة لاستخلاص الطاقة من الفراغ

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سرّ الكهرباء الباردة  
قانون التيرموجيناميك وهرطقة الكهرواثير

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استثمار الكهرباء الساكنة لاستخلاص الطاقة من الفراغ

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إعداد  
علاء الحلبي

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## سرّ الكهرياء الباردة

إعداد: علاء الحلبي

سنة الطباعة: ٢٠١١.

عدد النسخ: ١٠٠٠ نسخة.

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دار مؤسسة رسلان للطباعة والنشر والتوزيع

جميع الحقوق محفوظة

يطلب الكتاب على العنوان التالي:

**دار مؤسسة رسلان**

للطباعة والنشر والتوزيع

سوريا - دمشق - جرمانا

هاتف: ٥٦٢٧٠٦٠ ٠٩٦٣١١

فاكس: ٥٦٣٢٨٦٠ ٠٩٦٣١١

ص.ب: ٢٥٩ جرمانا

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shockwaves

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.Radiant Energy

EMA " "

Testatika

Edwin Gray

Paul Baumann

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static electricity ( )

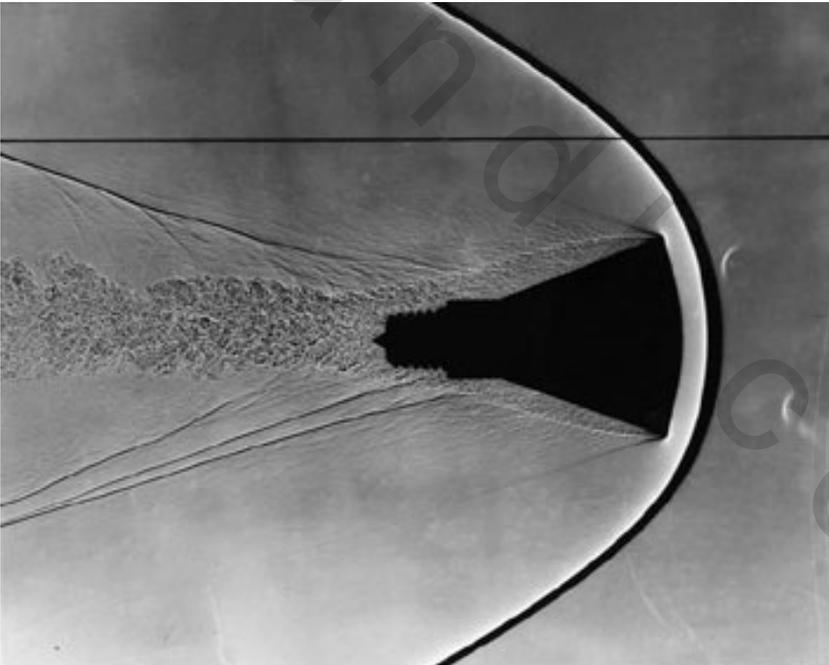
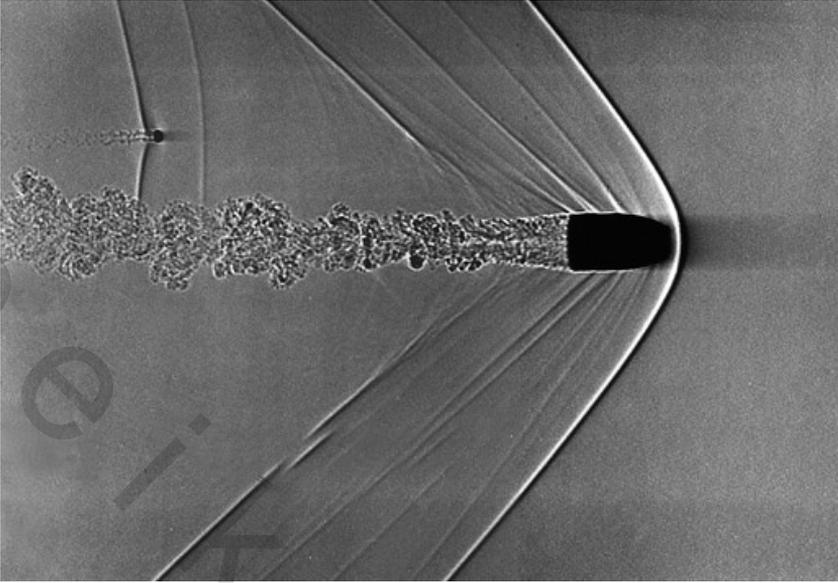
.Fractionation ( )

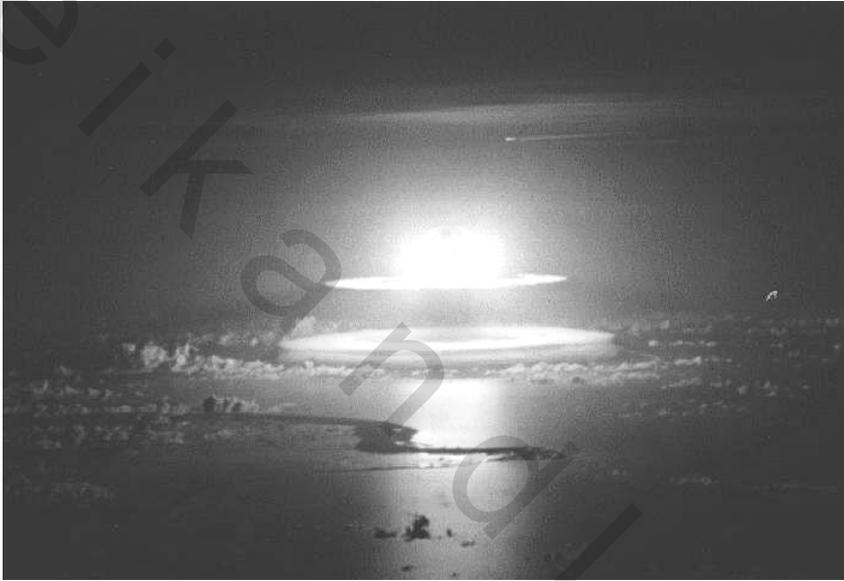
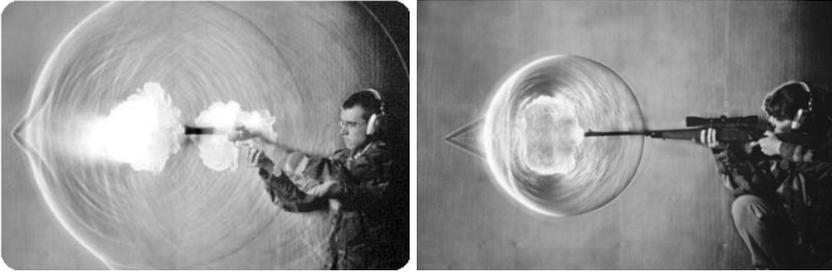
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.shockwaves :







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shockwaves





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.Second Law of Thermodynamics

.( ) thermodynamics

Hermann von "

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(١) استعمل أرسطو هذا المصطلح حيث يلفظ بالإنكليزية Aether (أثير) واستعمل العرب للتعبير عن مفهوم أرسطو كلمة (أثير) ونحن فضلنا استعمال الكلمة العربية.

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Helmholtz

perpetual motion machine

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work loss "

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heat gain "

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.closed systems

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.equilibrium

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ETHERICITY

Etheric Energy Field

fluid

" " Light Ether " " Warmth Ether " "

.Life Ether " " Tone (or Chemical) ( )

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.discharge

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Light Ether "

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ETHERICITY "

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charging phase

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Wilhelm Reich "

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orgone accumulators"

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.Mosfet

air core

potential

.transformers

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accumulators

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"Laws of Thermodynamics "

conservation conversion

local

.conservation

*Big Bang*

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## Aether Theory

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gravity

electromagnetic

magnetic

acceleration

radiesthesia acceleration

electrostatic

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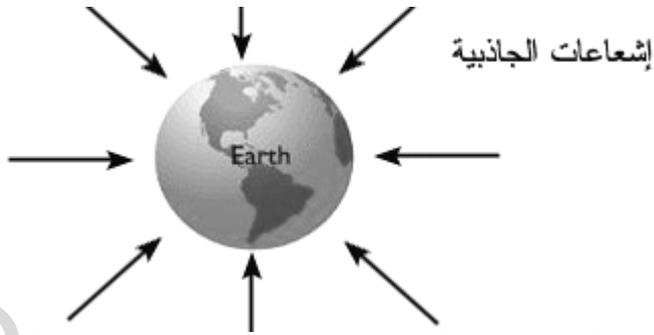
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stimulation of the aether field

gravity shielding

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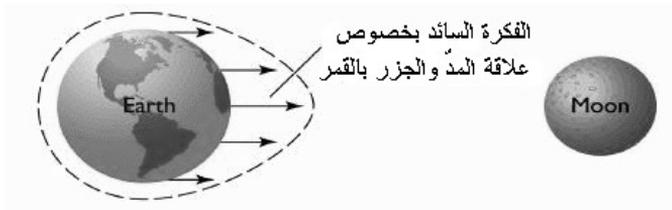


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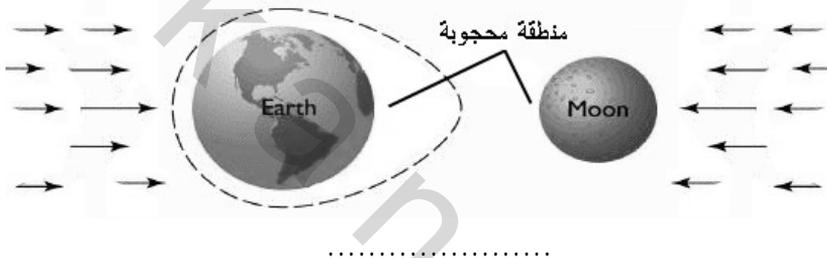
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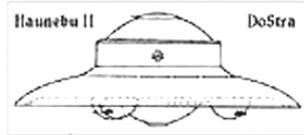


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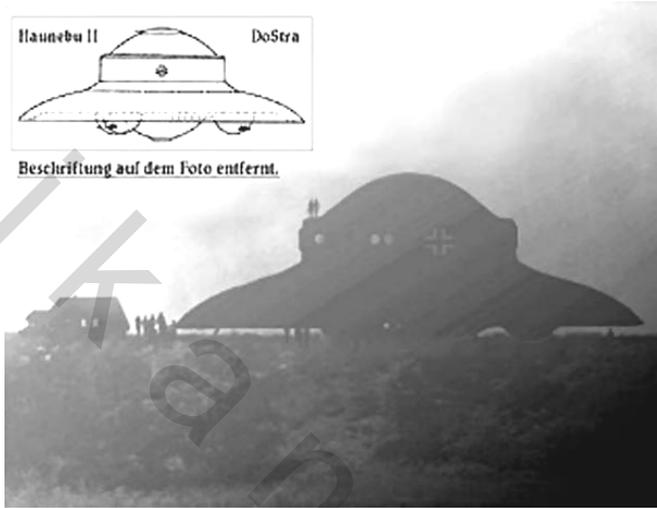
Unified Field

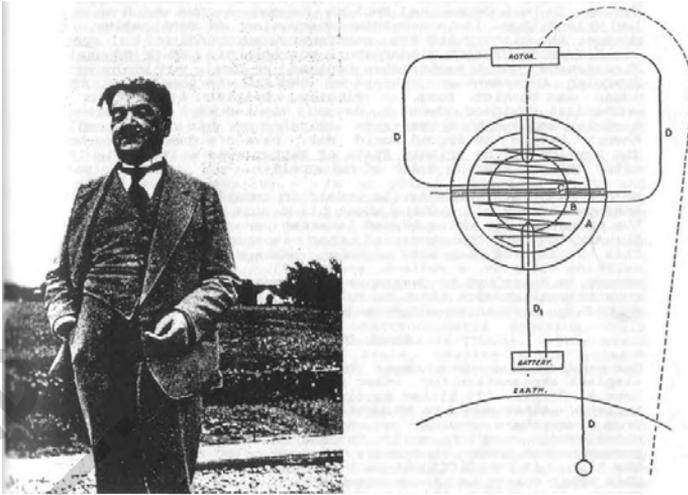
Theory





Beschriftung auf dem Foto entfernt.





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*Karl Schappeller* " "

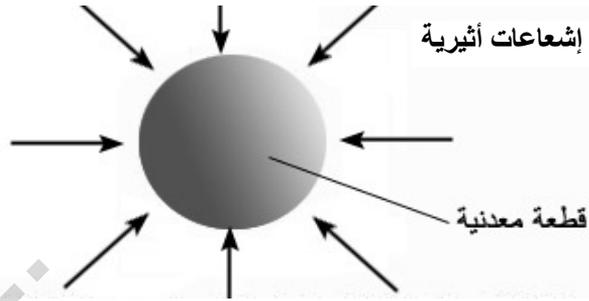


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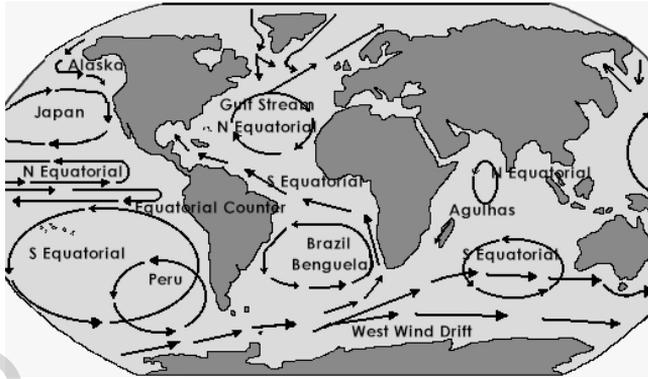
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Voltage

Electro Motive Force

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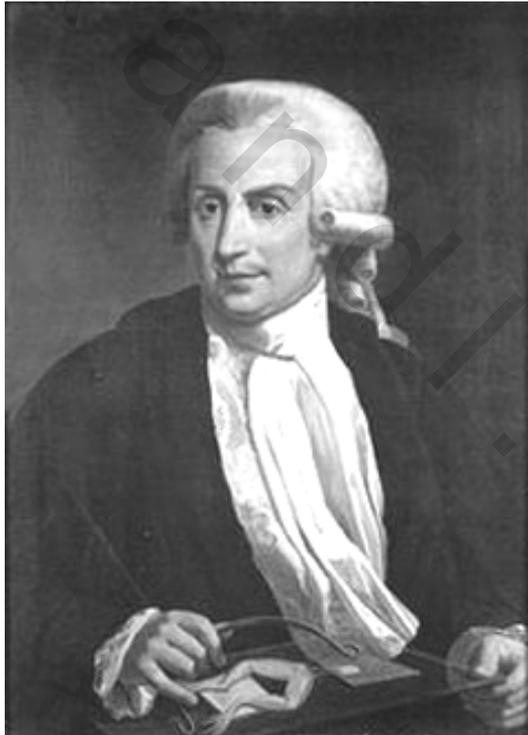
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Luigi Galvani

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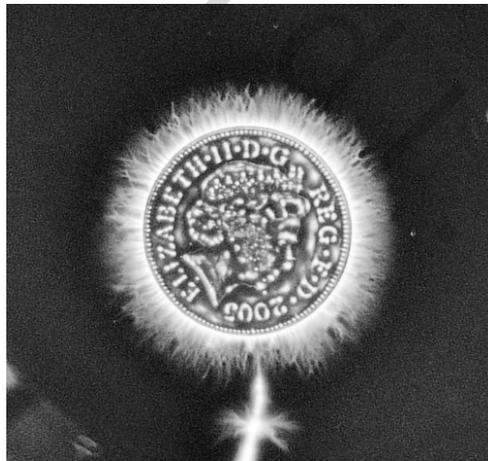
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voltaic pile "

( ) spatial stress

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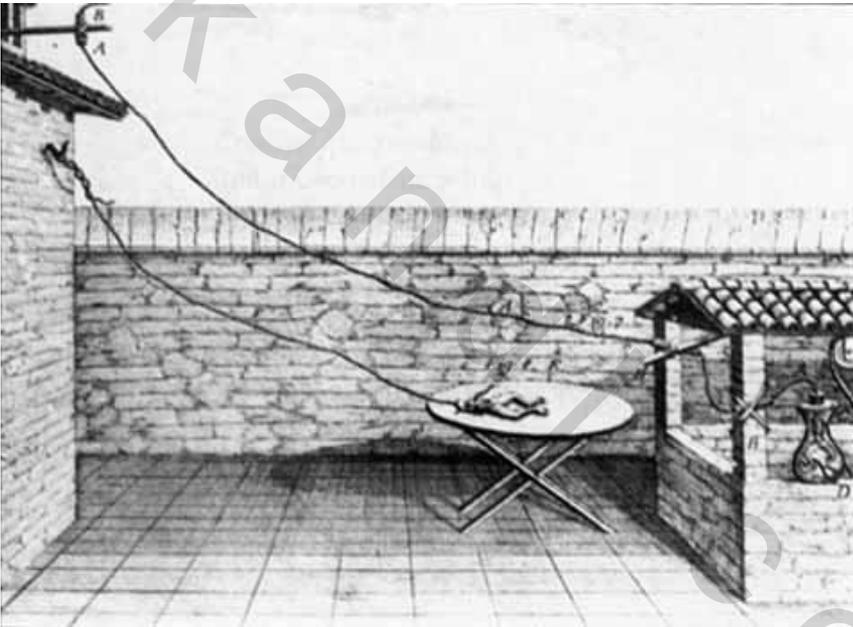
auric effects "





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" dual currents "





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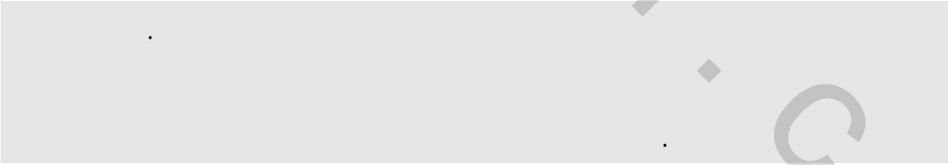
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electromotive

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وبعد ذلك بدأ في نشر أفكاره عن المغناطيسية الحيوانية (Animal Magnetism) في كتابه الشهير "Le sommeil magnétique" (1808). وقد أثبت أن الأشخاص الذين كانوا في حالة من السبات المغناطيسي يمكنهم من القيام بأفعال غير عادية مثل المشي على الماء أو السير في الجدران. وقد استخدمه في علاج المرضى الذين يعانون من أمراض مختلفة مثل الصداع والتهرب العصبي.

في عام 1841، وصف فرانسوا ماري ميسمر (Franz Anton Mesmer) حالة من السبات المغناطيسي التي تحدث في بعض الأشخاص الذين يعانون من أمراض مختلفة مثل الصداع والتهرب العصبي. وقد استخدمه في علاج المرضى الذين يعانون من أمراض مختلفة مثل الصداع والتهرب العصبي.

Mesmeric somnambulism

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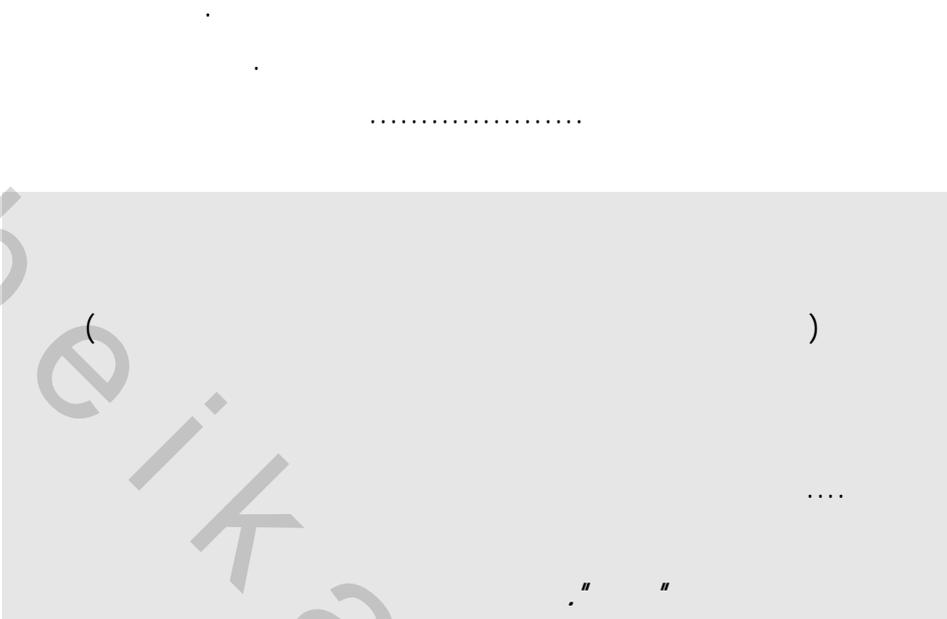
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flowing

space radiant stream  
dark light " "

" " " " " " charge

lines of force

.static tensions

dielectric

diaelectric ( )

flux

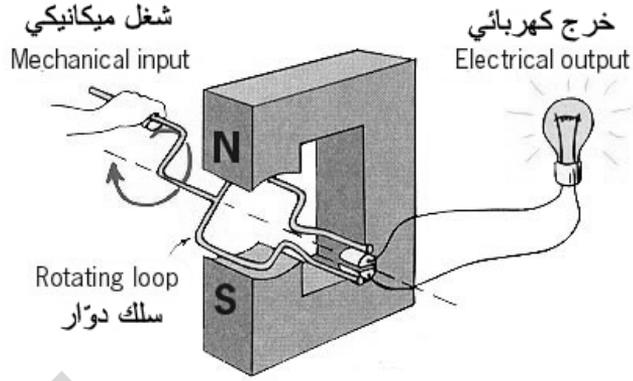
.force lines

flowing charge

ultra-- "

.gaseous flux

.magnets

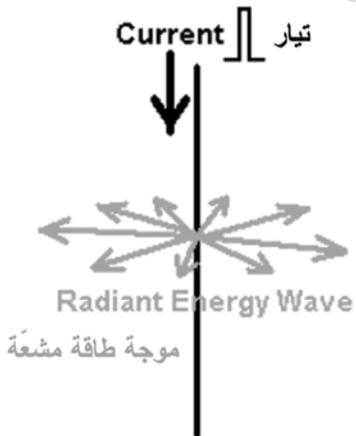


electro-radiant impulses

disruptive field impulse

.electrostatic

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radiant electricity

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longitudinal dynamic flow-lines

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flowing charge substance

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.megahertz

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Royal Society

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radiating electricity

space-flowing current

effusive

.aether

ZERO current



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PIEZOELECTRICITY BIOELECTRICITY :

THERMOELECTRICITY TRIBOELECTRICITY

.. ...ATMOSPHERIC ELECTRICITY

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X-rays

Light

Microwaves

Radio signals

Telephone signals

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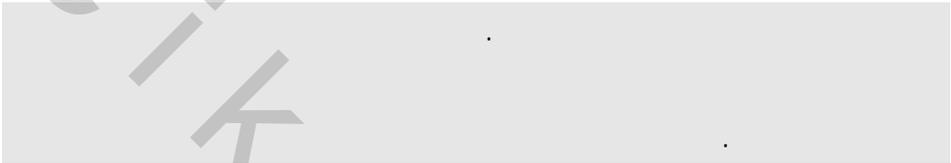
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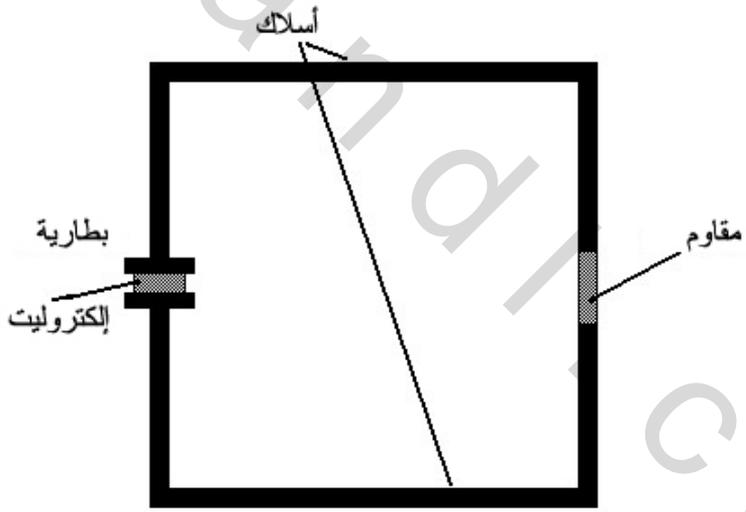


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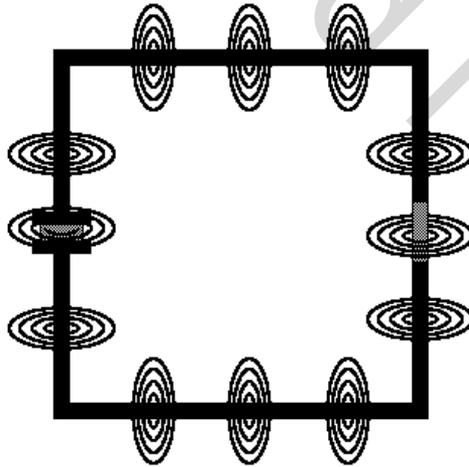
ELECTRIC CHARGE	---	E.M. ENERGY

[ 1 ]:

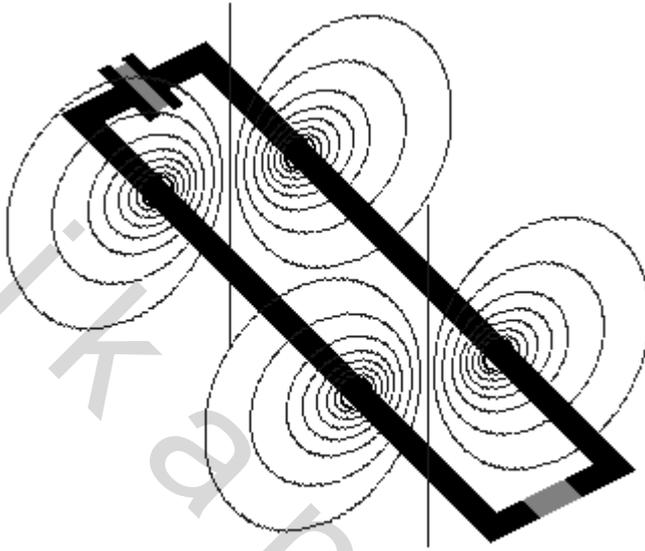


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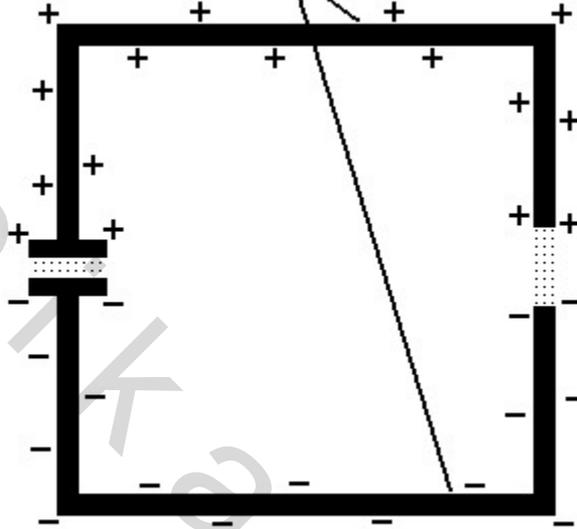
B-field "



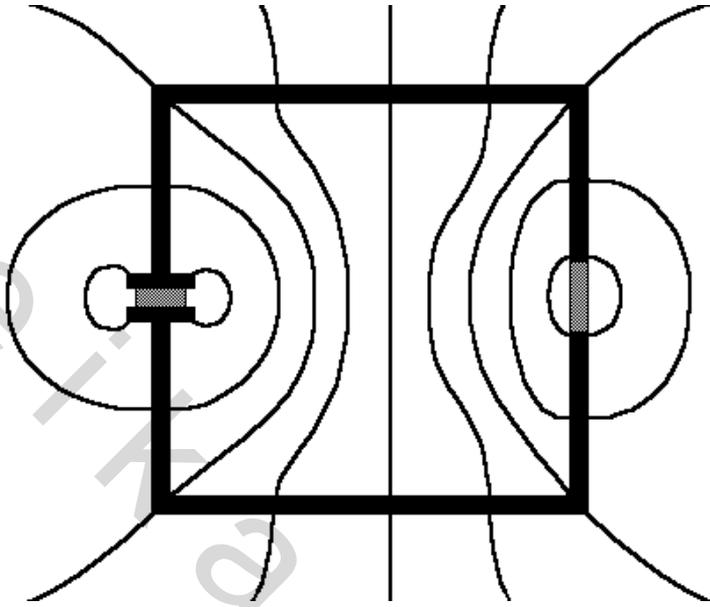
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جزءان متعاكسا قطبية الشحنة

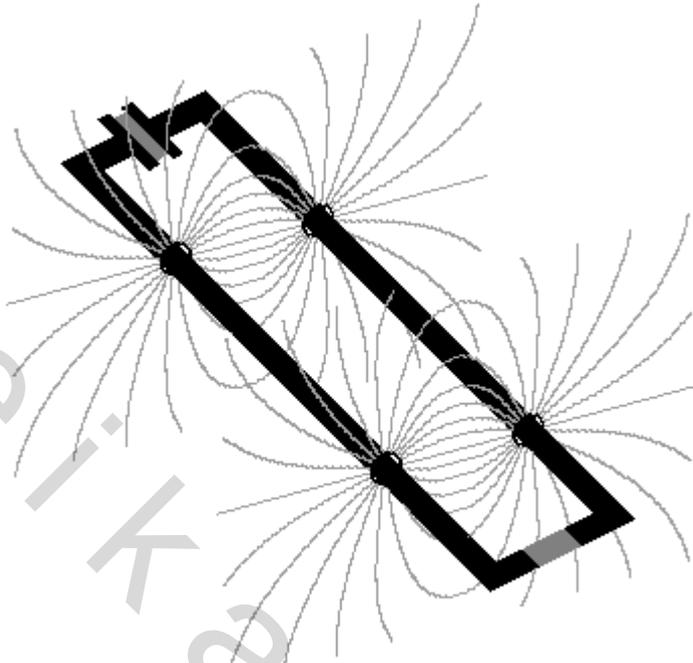


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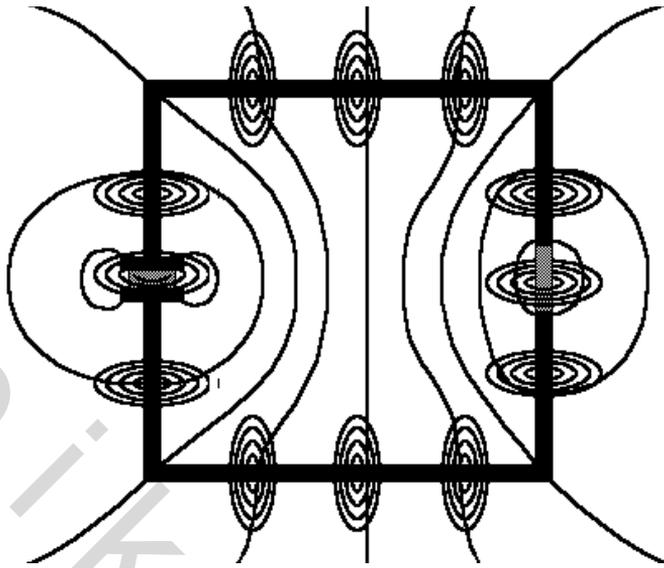


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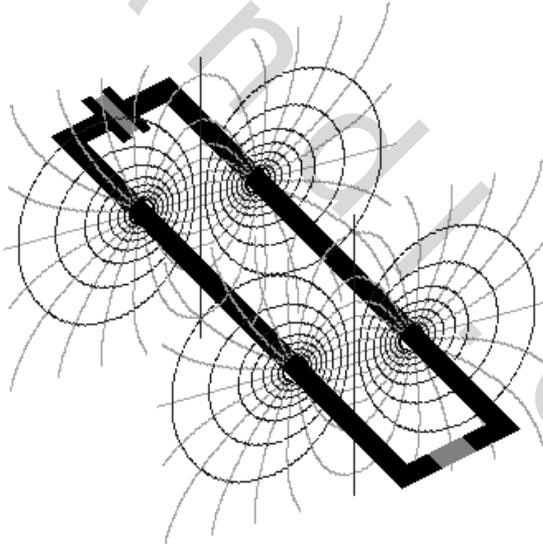
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E-FIELD

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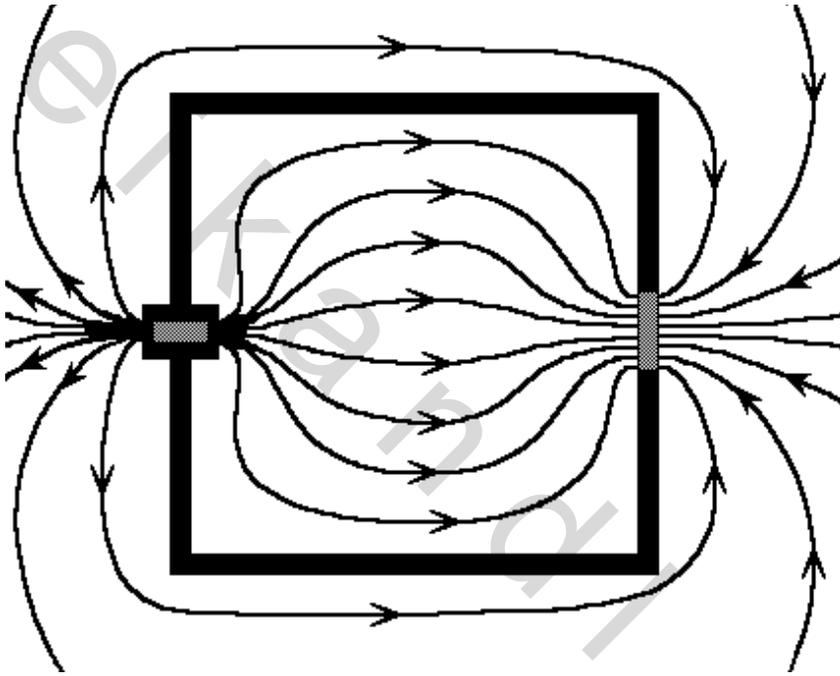
B-FIELD



E-FIELD

: [ ]

B-FIELD



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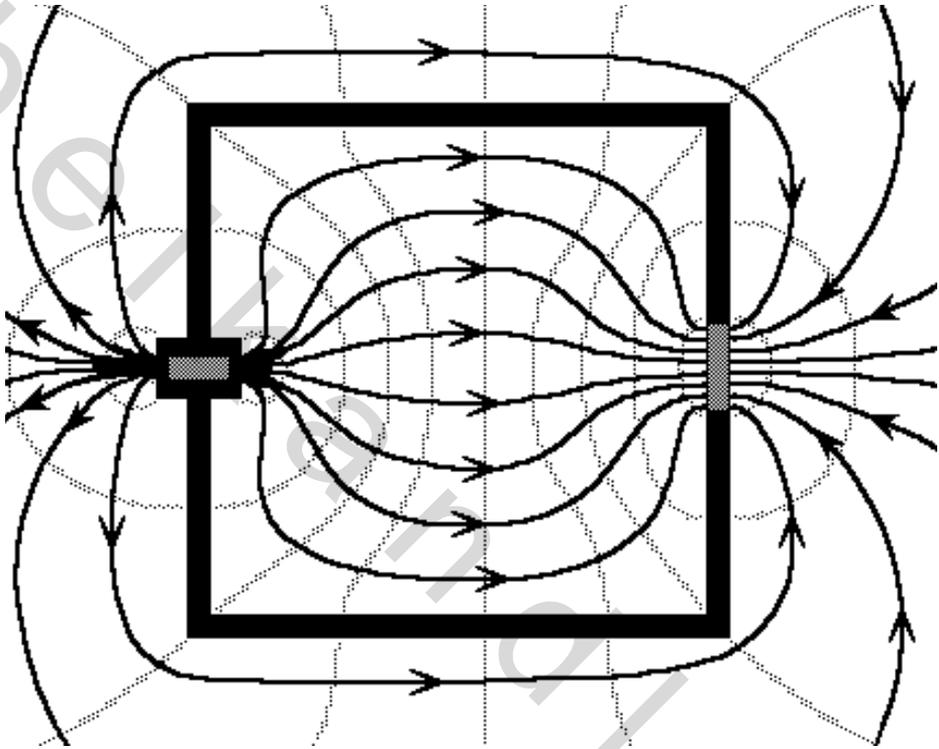
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$$\mathbf{E} \times \mathbf{B} = \mathbf{S}$$

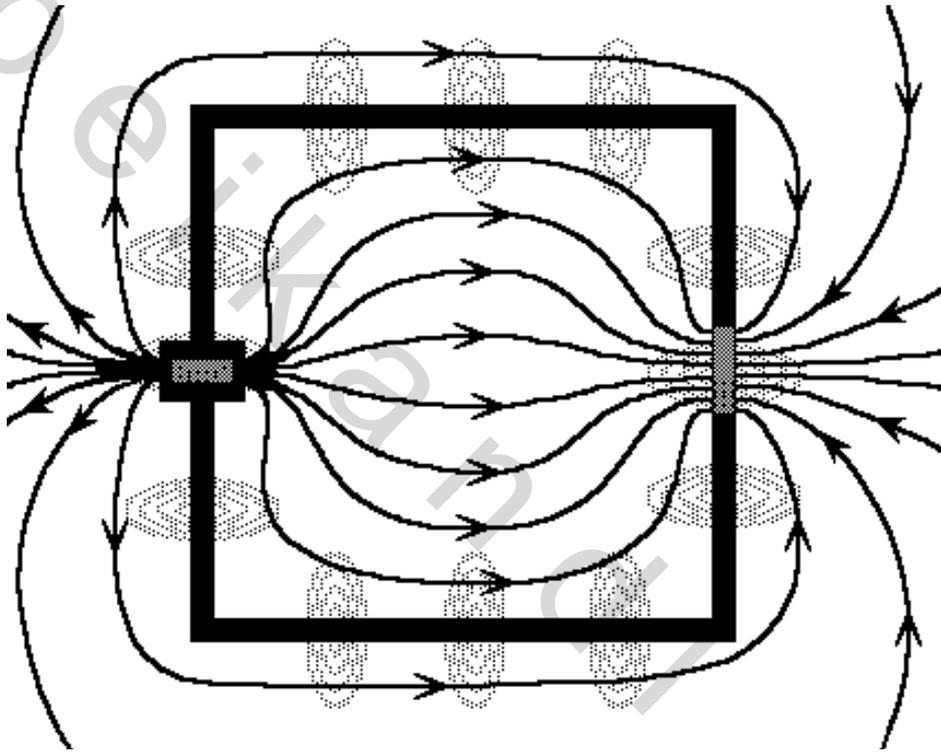
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$(E)$

$(S)$

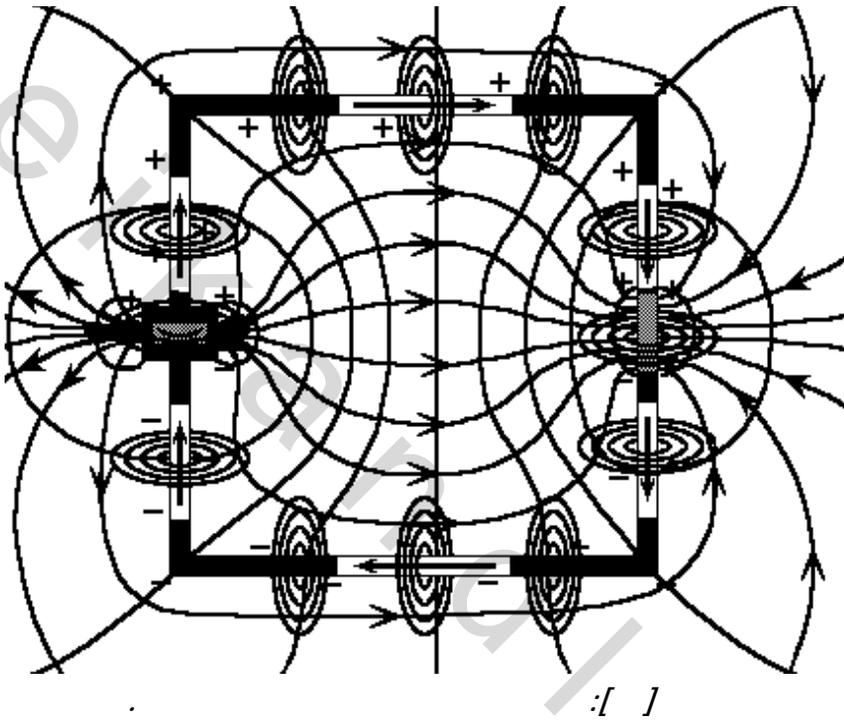
$[ I ]$



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Poynting-flow



:John Henry Poynting

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.Poynting vector."

Poynting-flow " "

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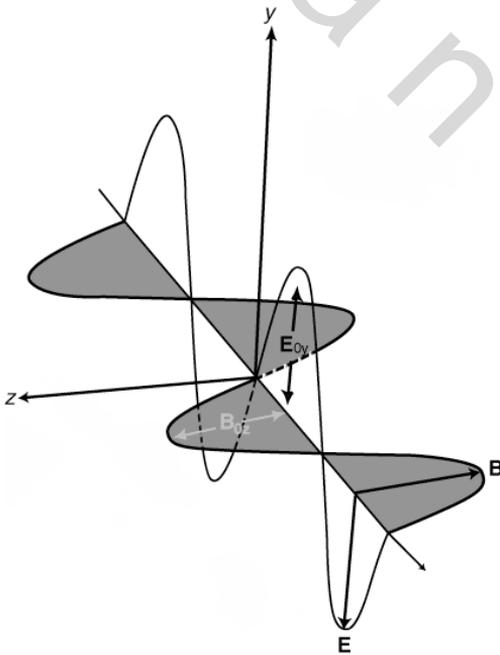
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:Richard Feynman



*Poynting-flow*

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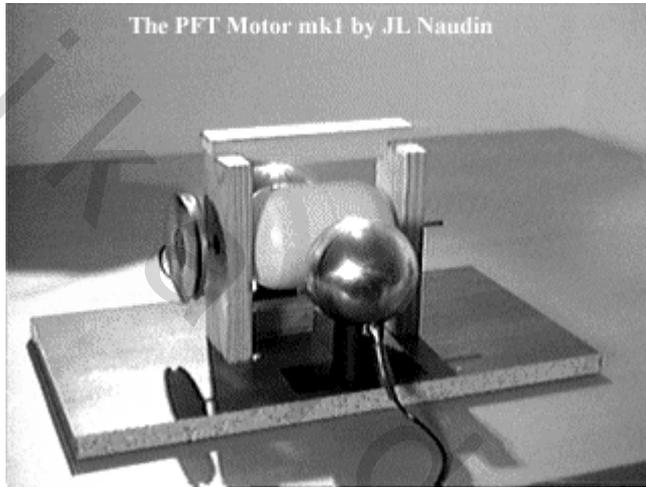
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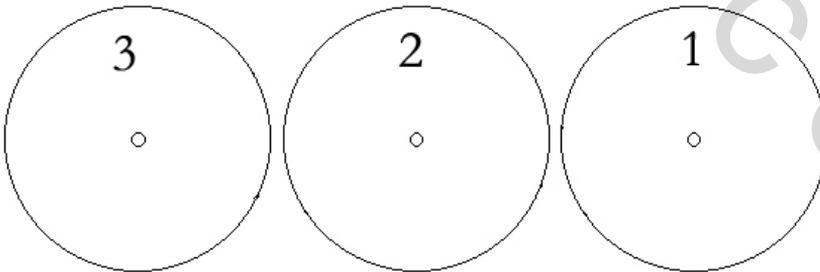
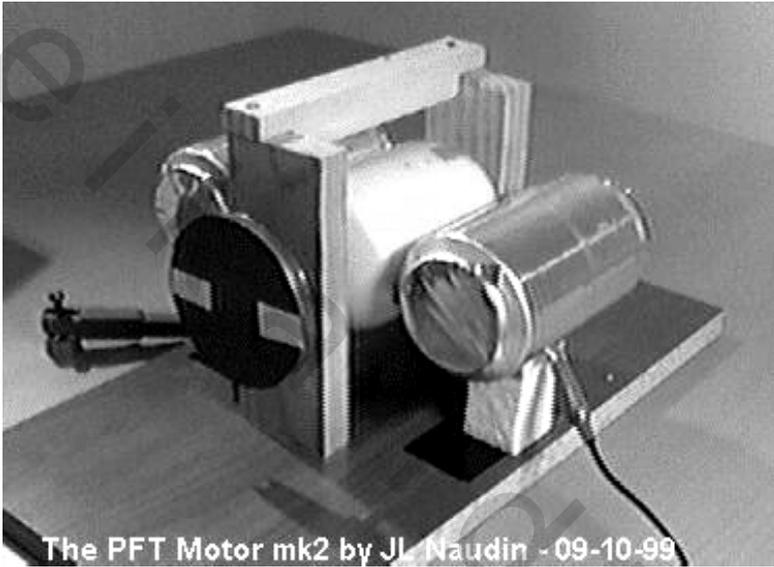
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### The PFT Motor The Poynting Flow Thruster



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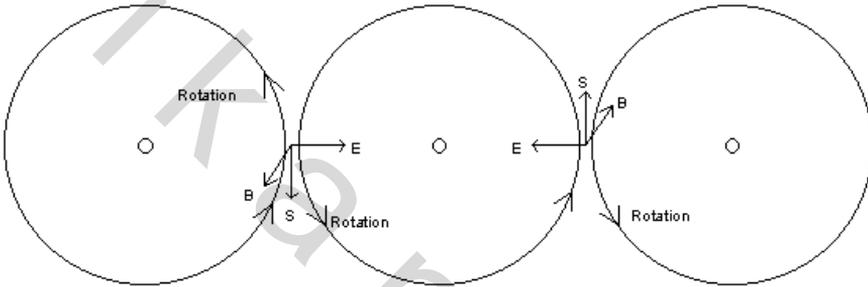
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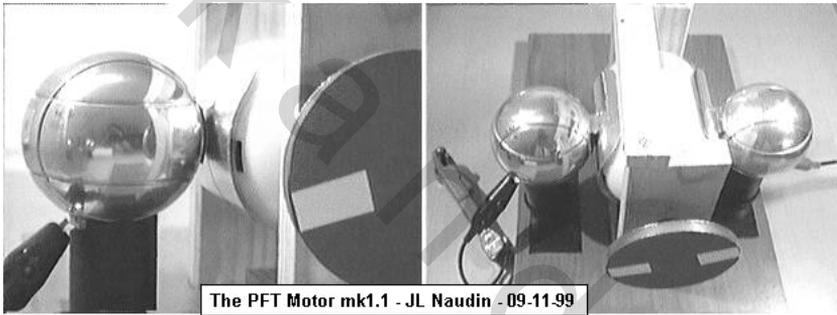
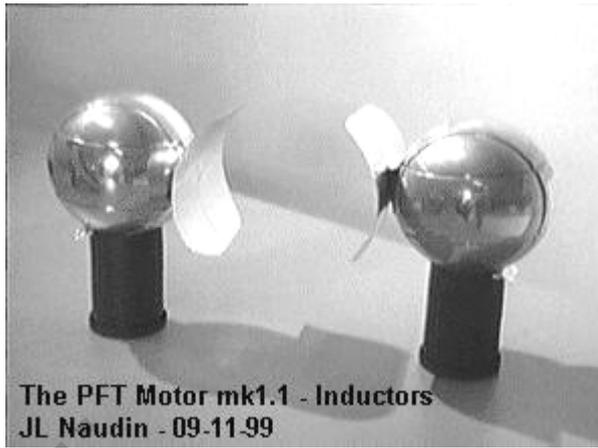
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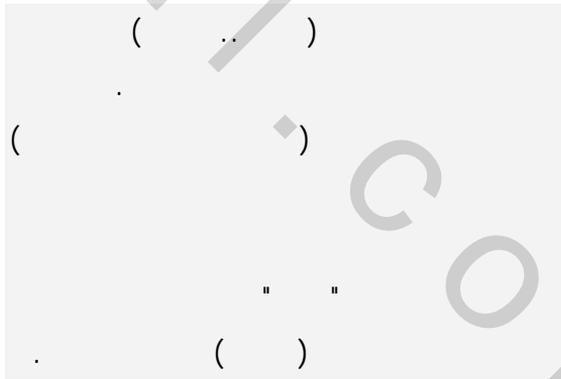
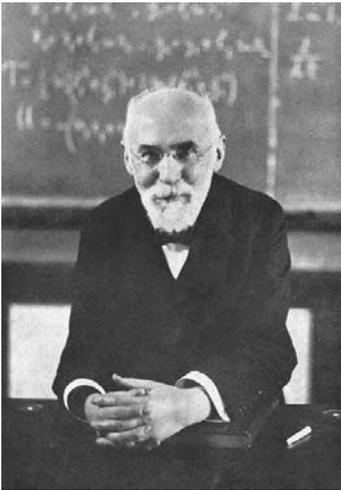
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Heaviside "

Poynting "

:Heaviside- Oliver



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dissipating

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symmetrical regauging

.Taming the Fierce Energy of the Vacuum

MEG "

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circuit dipolarity

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particle

broken symmetry of opposite charges

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physics

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Quaternion

Quaternion algebra

vector algebra ( )

tensor algebra

vector "

tensor "

Quaternion

tensor

.quaternion mathematics



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" / " " " symmetrical regauging "

" " regauging

.transducer

) .source dipole converter

time domain

∇-space

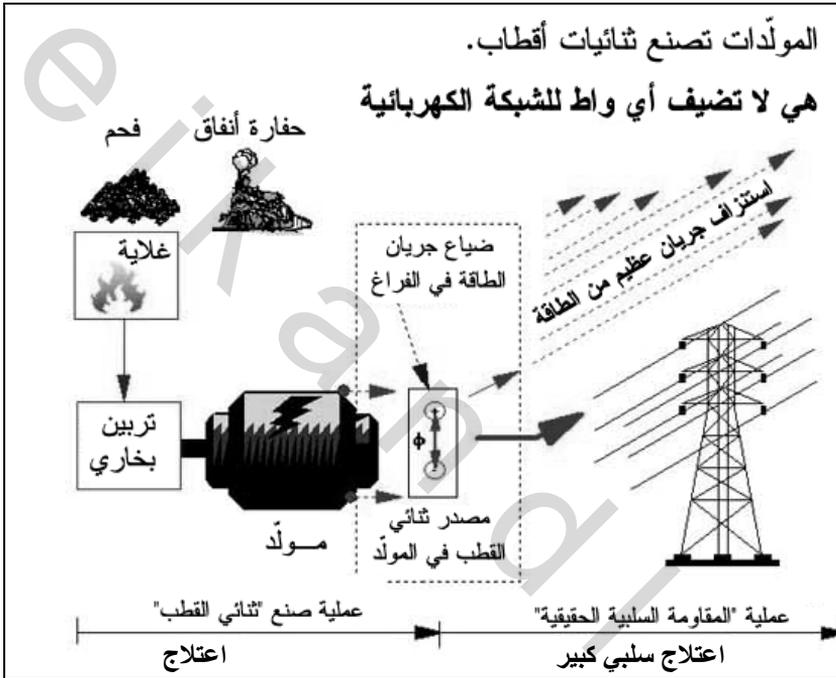
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surface charges

(Drude electrons " " )

source dipole converter



[: ]

( ) source charges

receiver/converter " / "

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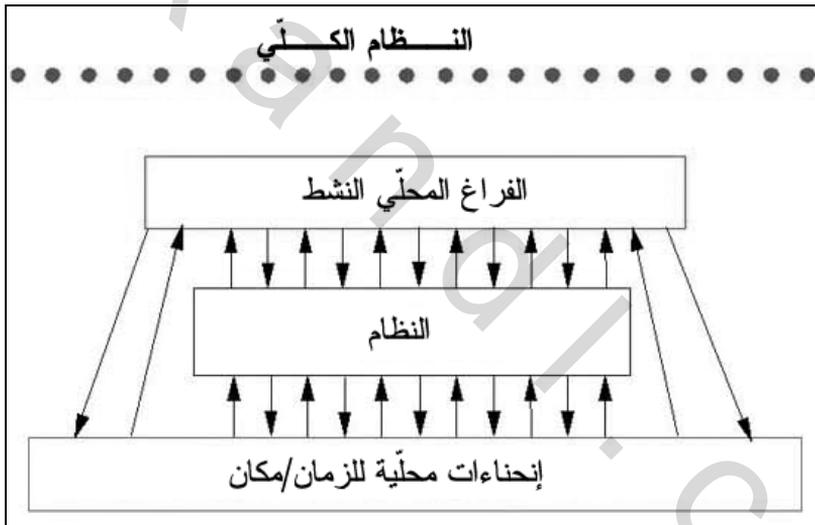
.dipole's broken symmetry in its vacuum interaction

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supersystem "

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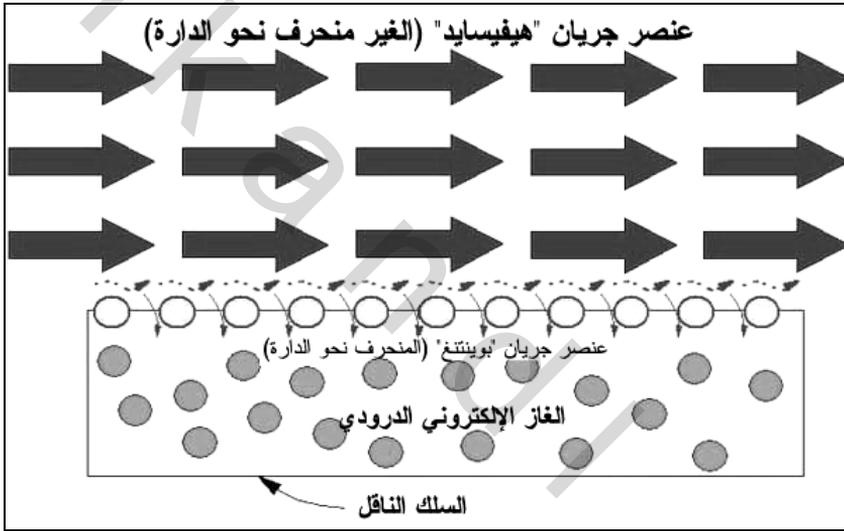
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.Drude electron gas



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broken symmetry

.vacuum interaction

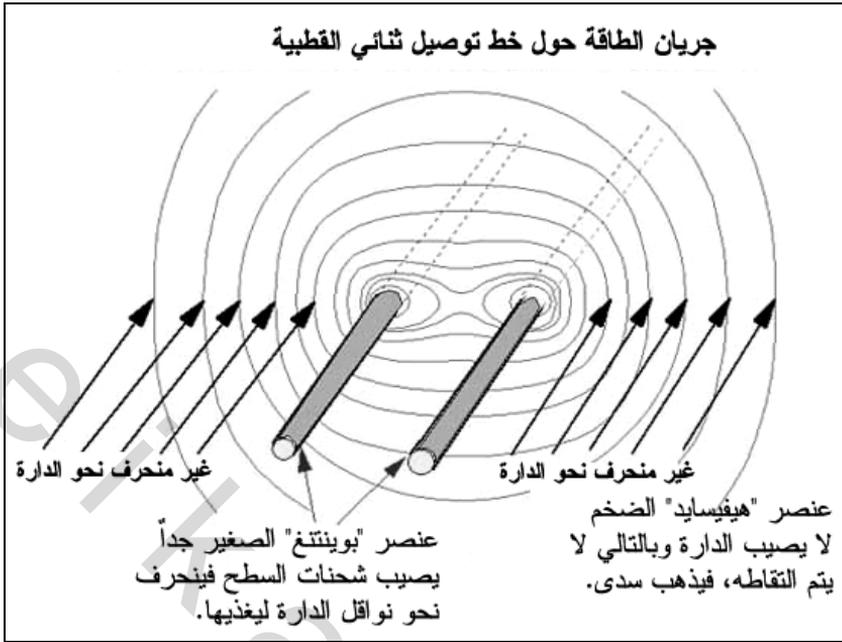
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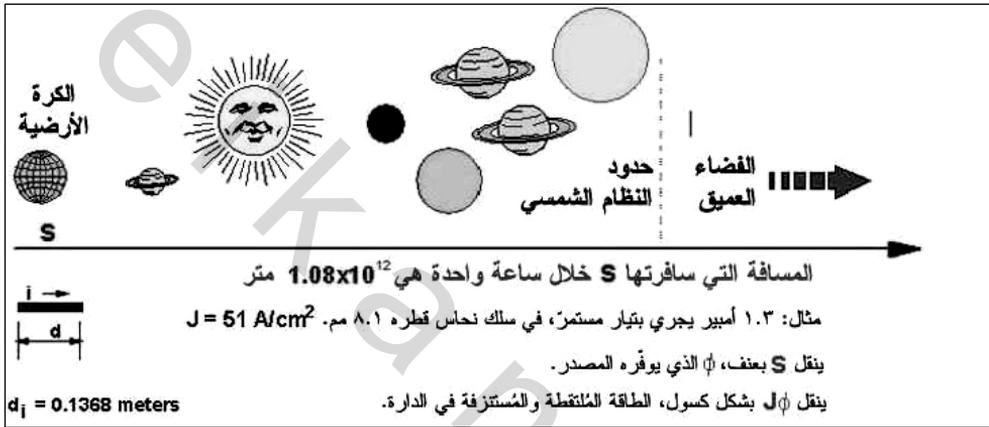
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Rutherford model " " %

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*Drude electron gas*

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Milo Wolff

*:Exploring the Physics of the Unknown Universe*

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Puthoff

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Nikola Tesla "

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Harold Urey "

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Moon Blink "

Sheila Ostrander "

Lynn Schroeder "

*.Psychic Discoveries Behind the Iron Curtain*

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*Psychic Discoveries* "

*Time – A New Frontier of the Mind* "

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Albert Wilson "

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TORSION PHYSICS

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quantum physics "

right-handed spin "

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T. " . " F. Hehl " . " Kopczyynski " " Trautman " "

D. Sciama " . " Kibble

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dynamic "

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.static torsion fields

torsion fields

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spinning sources "

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.superluminal

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V.V. Nasonov "

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Lavrentyev "

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.time flow "

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*pendulum*



.Mitsubishi

" " S.M. Polyakov " . . "

Sandy Kidd " " Bruce DePalma

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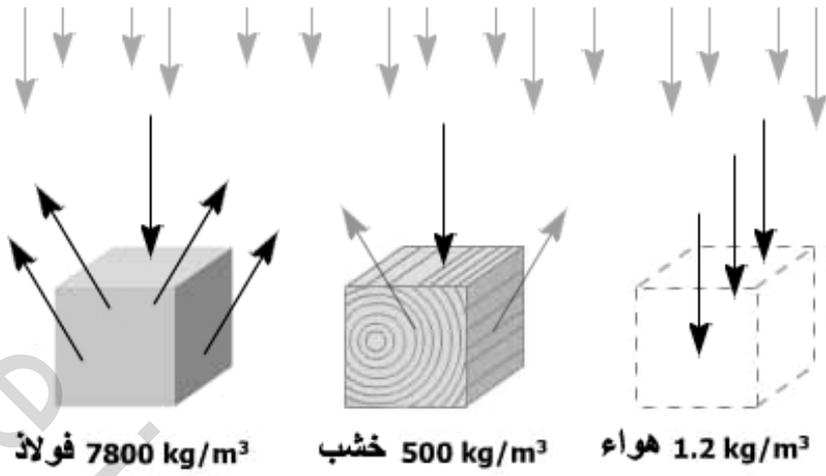
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latent force



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THE ASPDEN EFFECT " "



Aspden effect " "

Harold Aspden

rotor

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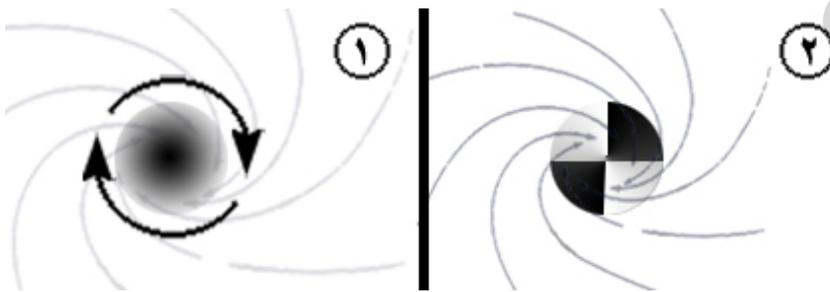
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tungsten "

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thermocouples

photoelectric cell

*A Substantial Interpretation of N.A. Kozyrev's Conception of Time "*

.A.P. Levich

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" . . . Y.A. Galkin "

.. " A.V. Chernetsky "

S.N. Kolokoltzev

.( ) capacitor

.self-generating discharge device "

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" Donald Roth "

Institute for " " Magnetic Memory "

" " .New Energy

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.vacuum structuring (

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Jacques Bienvéniste

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Nature

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polyethylene film

Alexander "

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Frolov

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AETHERIC QUANTUM MECHANICS

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Milo Wolff "

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Vladimir Ginzburg "

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Charles Cagle "

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Volodymyr Krasnoholovets

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Lt. Col. Tom Bearden "

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John Nordberg

R.B. "

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Harold Aspden "

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Henry Myers

Oliver Crane "

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Buckminster Fuller "

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Duncan

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*inertial mass*

*gravitational mass*

*.velocity*

Principle of Equivalence "

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*transmutation*

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Harold " " A.M. Mishin " . . "  
John Keely " " Nikola Tesla " " Aspden

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obeyikandali.com

densities "



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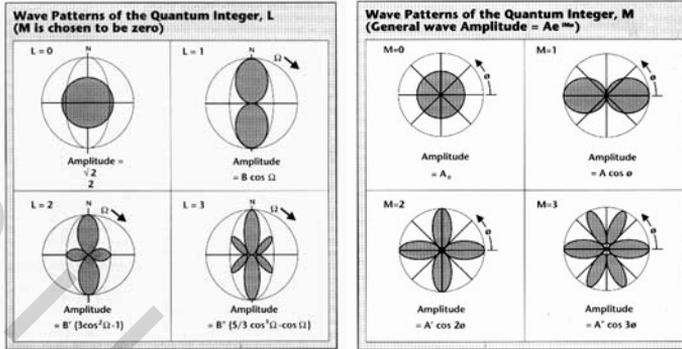


Figure 9-1D. Polar standing waves. These figures look down on the equator of the sphere and show waves traveling between the poles. The amplitude equations are shown as Associated Legendre Functions which depend on the latitude ( $\cos \Omega$ ), and the quantum integers L and M. Each added integer of L adds another pair of standing wave lobes.

Figure 9-1C. Equatorial waves. These figures look down upon a pole of the sphere and show amplitudes of the standing waves rotating around the center of the equator which depend on the longitudinal angle  $\phi$ . Each added integer adds another pair of standing wave lobes.

M L

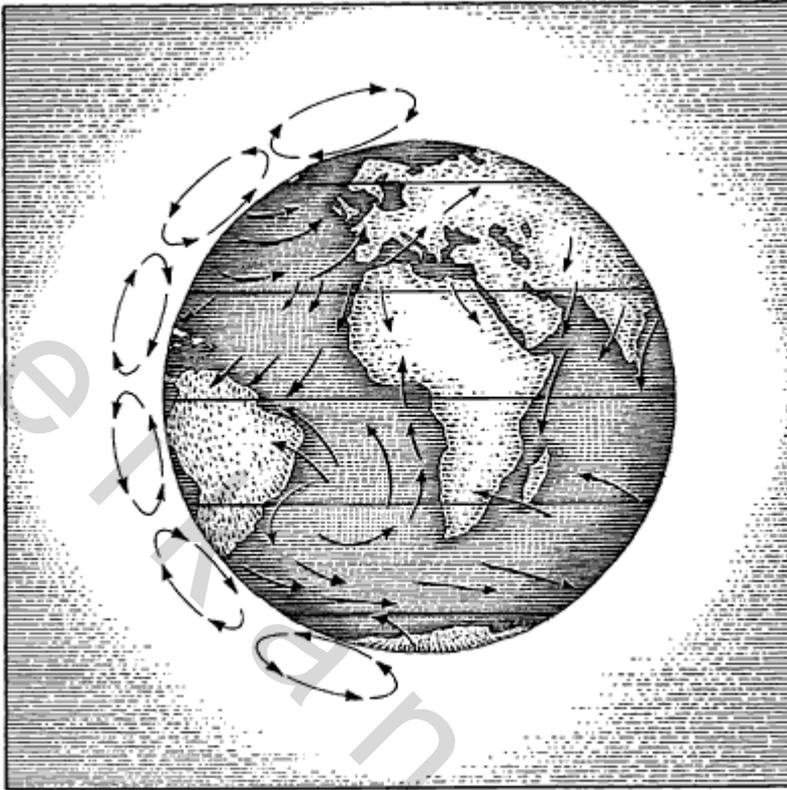
standing wave "

vortex formations



*symmetry*





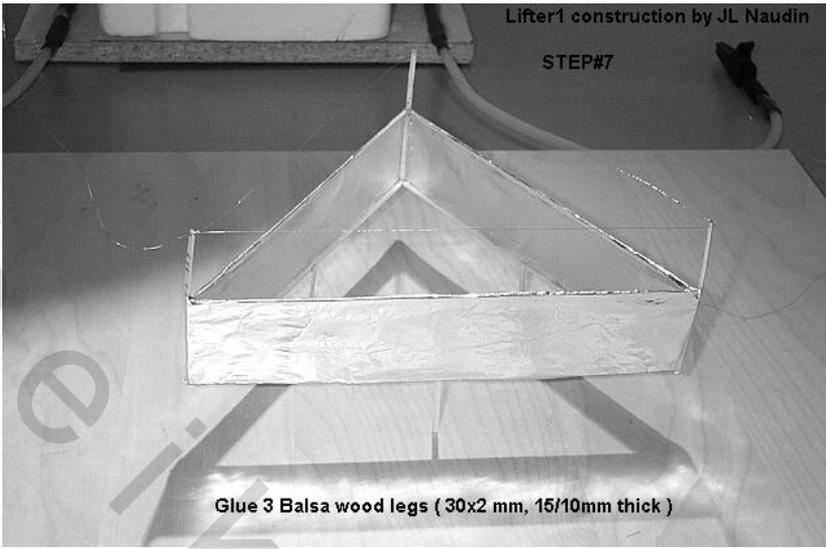
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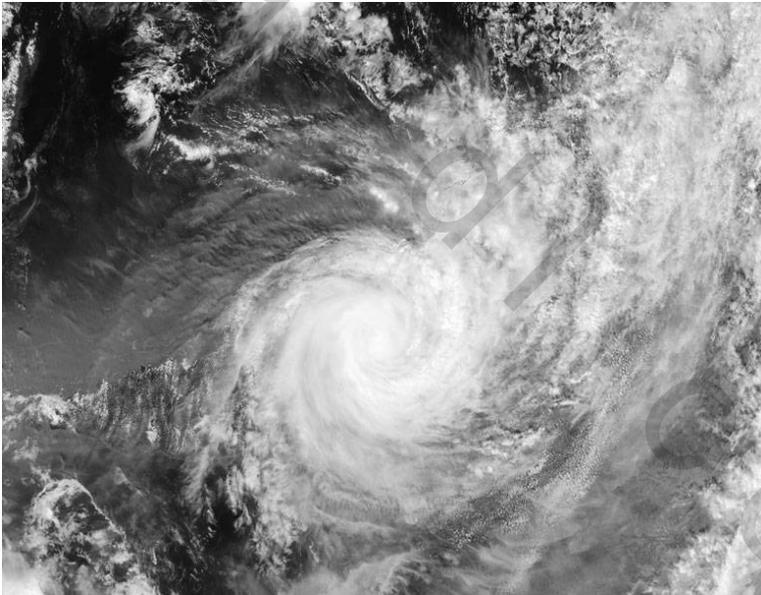
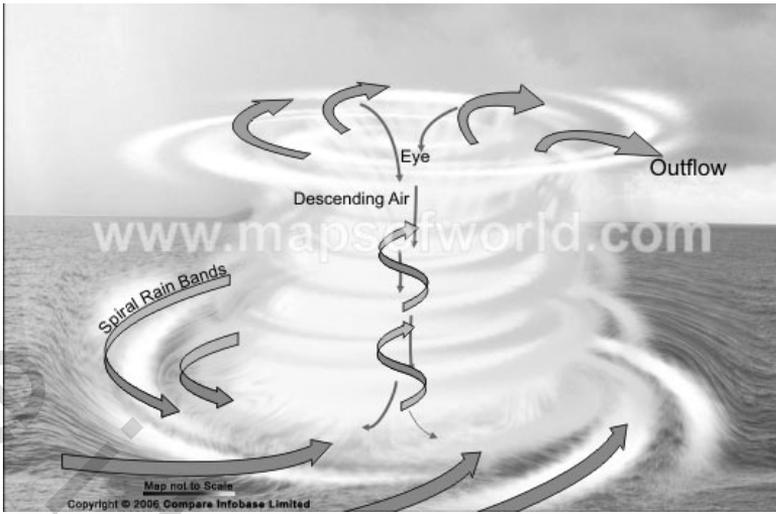
*Biefeld-Brown effect* /

Paul Biefeld "

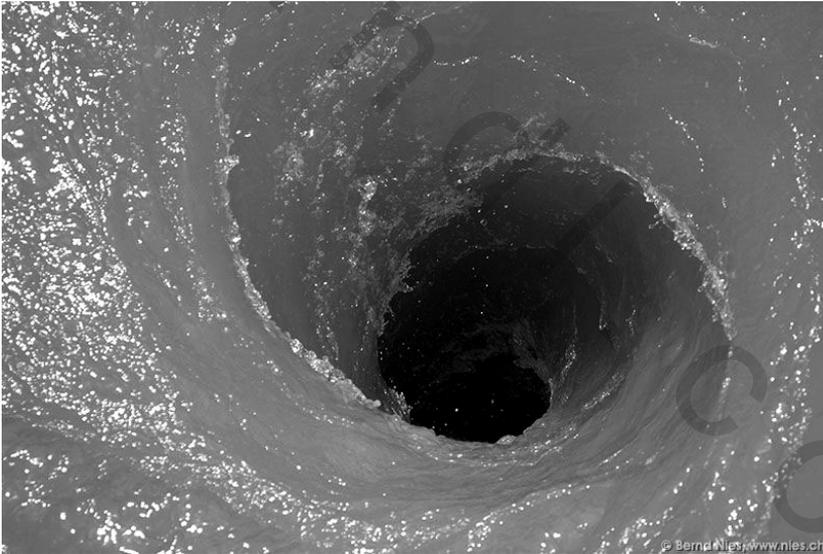
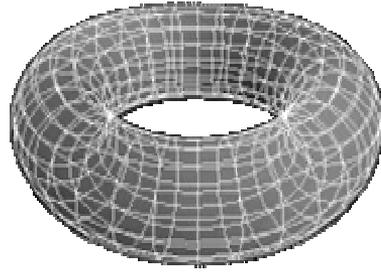
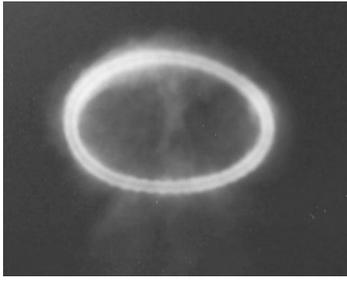
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particle  
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" : *Particles and Electricity* "  
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.fluid medium



torus ( ) "



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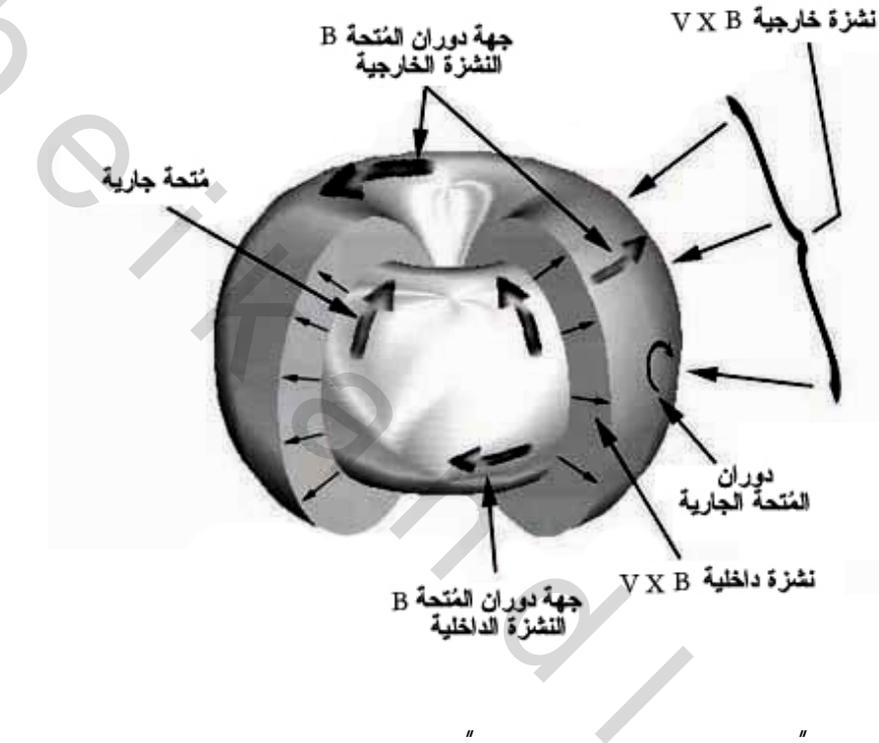
torus "  
:electromagnetotoroid "

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Charles Cagle "

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## البنية الافتراضية للجسيم الذري



:torus

spherical torus "

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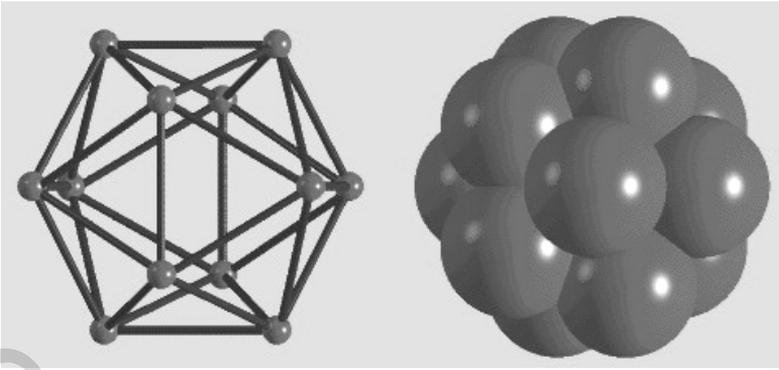
*angular*

*rotational momentum*

*momentum*

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Obeyikanda.com



Platonic solids

ZPE zero point energy "

.PV physical vacuum "

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vortex formations

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.electromagnetotoroid "

obeyikandali.com

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Sea of Whirlpools

ET Whittaker "

:Johann Bernoulli "

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*Walter Russell* "

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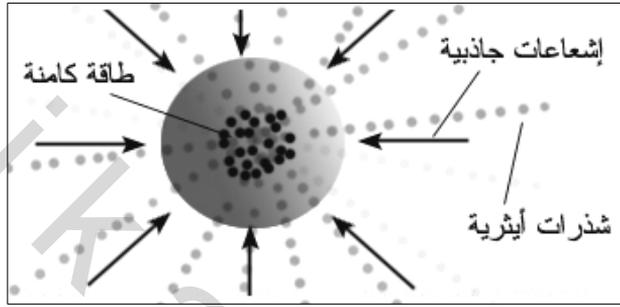
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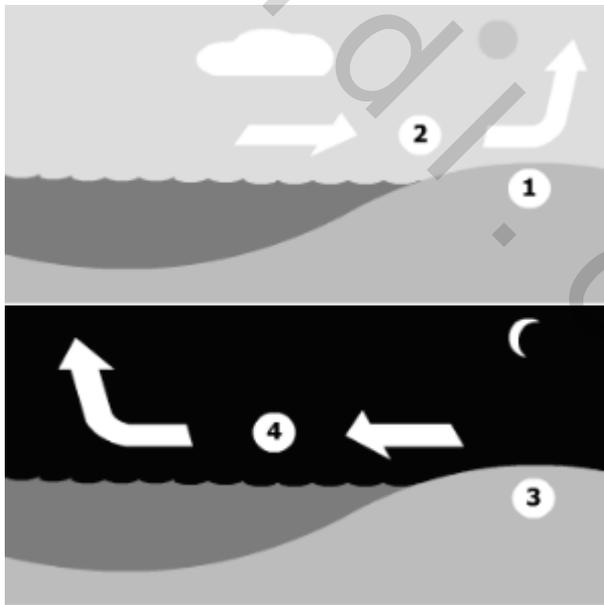


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وبهذه الطريقة يمكن الحصول على الكهرباء الباردة  
من خلال استخدام المواد العازلة الحرارية  
والتي تمنع انتقال الحرارة من الجسم إلى الوسط المحيط  
به. ( )  
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*vitreous electricity*

*.resinous electricity*

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( ) sinks " "

( ) sources " "

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" " " ( ) vitreously charged positive charge "

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Vitreous Charge and Positive Charge

.vitreously charged

positive charge " "

( )



positive

.vitreouse charge

charge

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### Resinous Charge and Negative Charge

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.resinous

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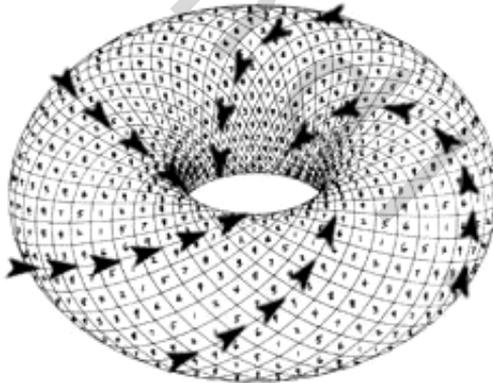
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*resinous*

.vitreuse

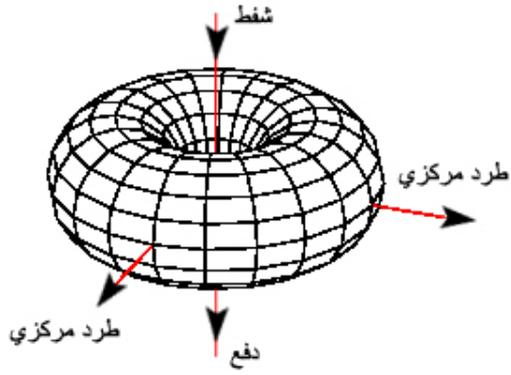
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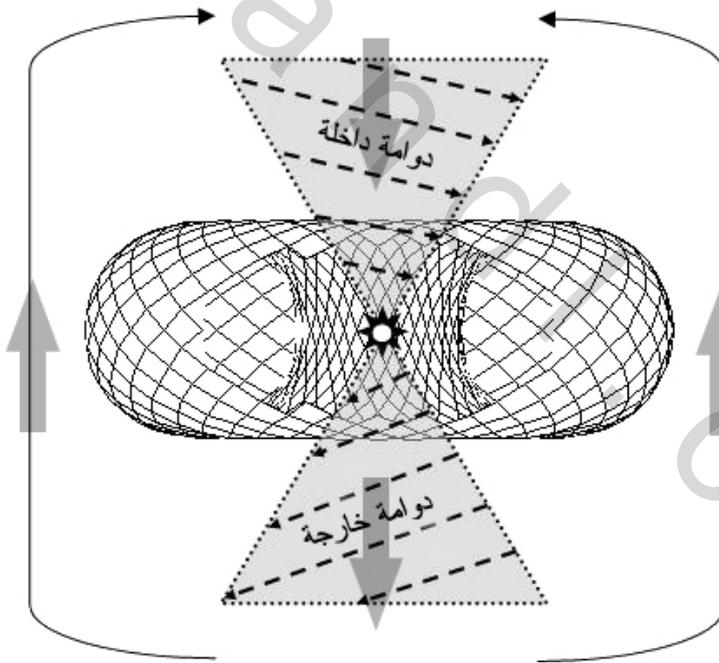


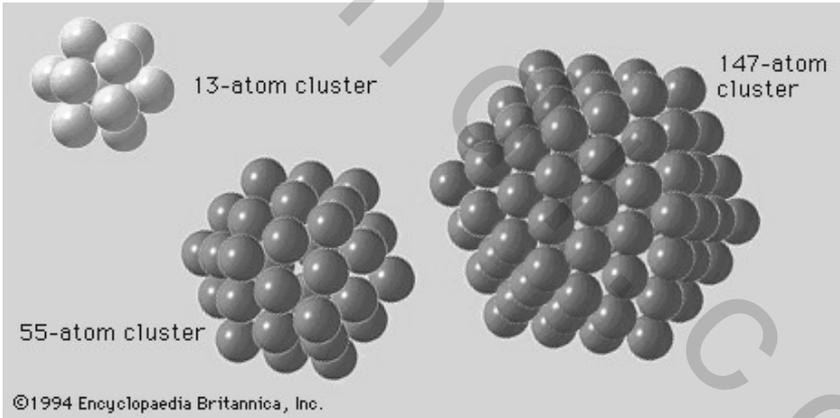
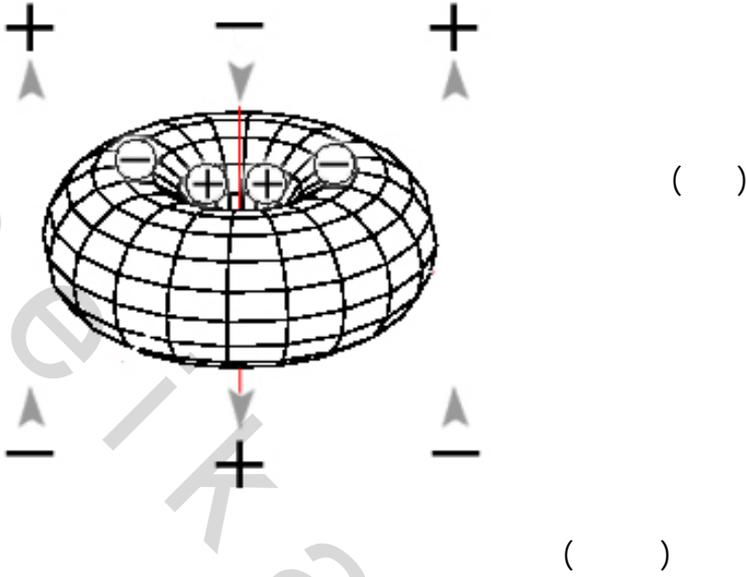
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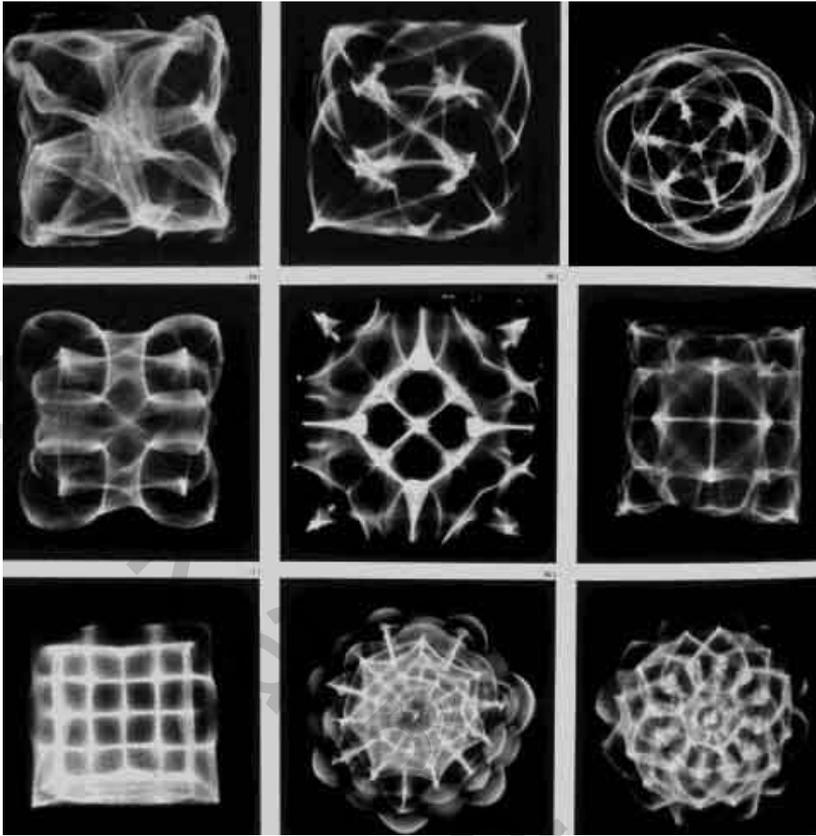
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geometry of vibration



Hans Jenny "

Buckminster Fuller "

MICROCLUSTER PHYSICS



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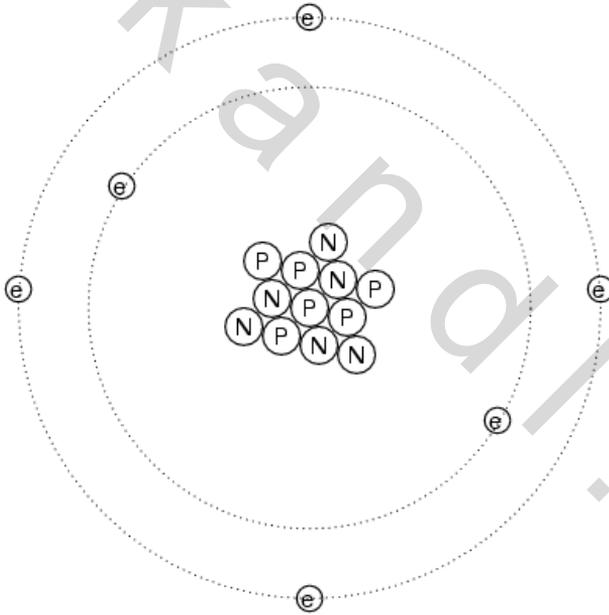
!!

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e = electron

P = proton

N = neutron

!

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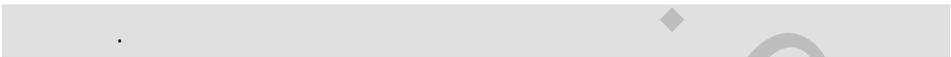
!!..."

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" vitreous electricity "  
" particulate sea of negative electrons "



" vitreously charged " " " "



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Leyden jar "

.Mystery

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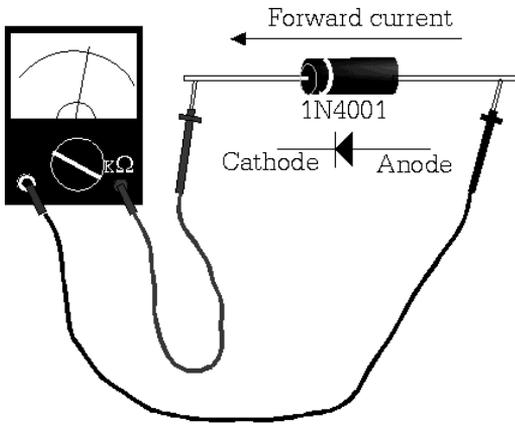
contact electrification

.Triboelectric effect

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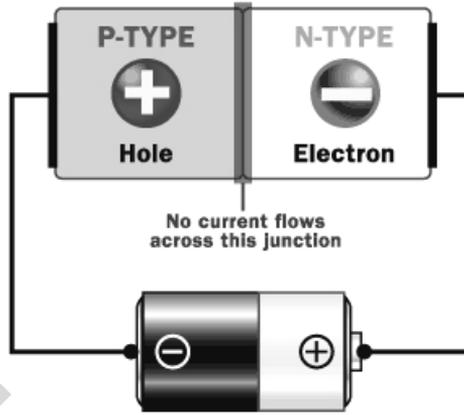
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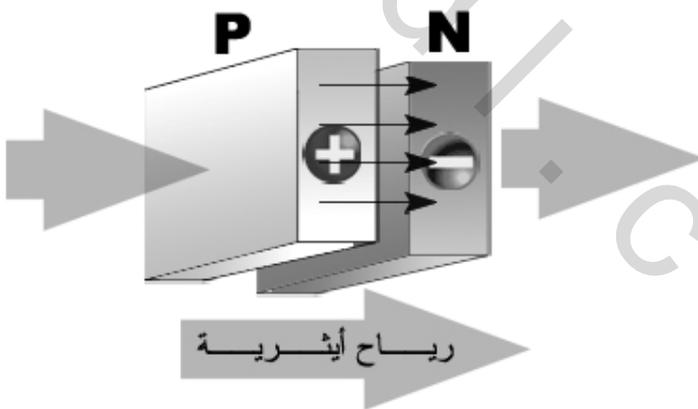


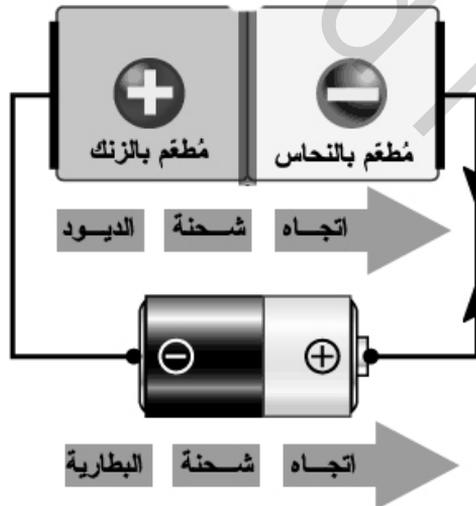
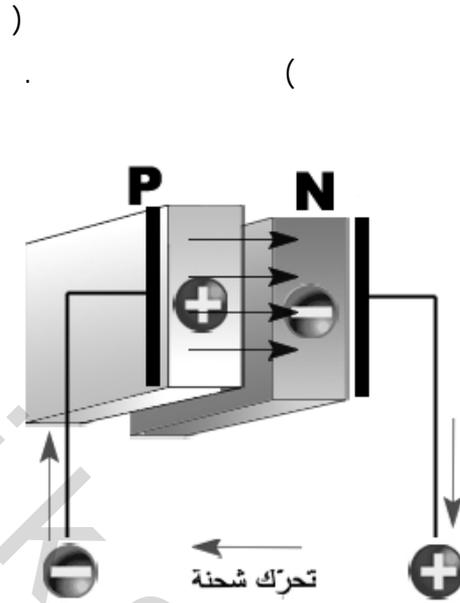
N

P

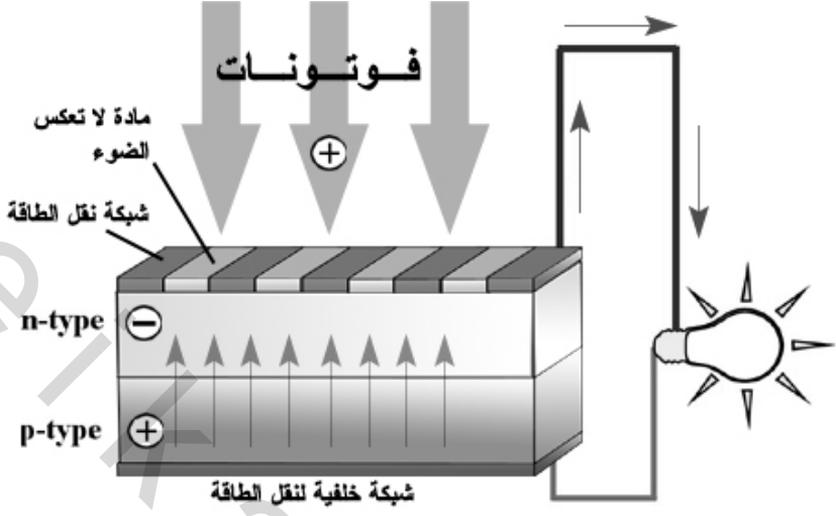


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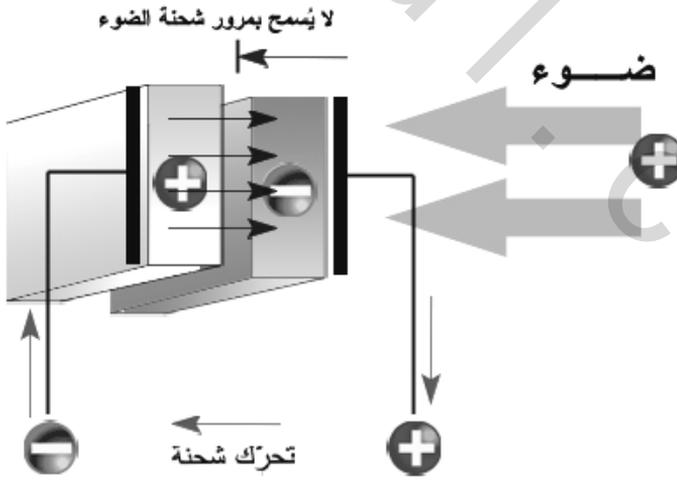


:solar cells



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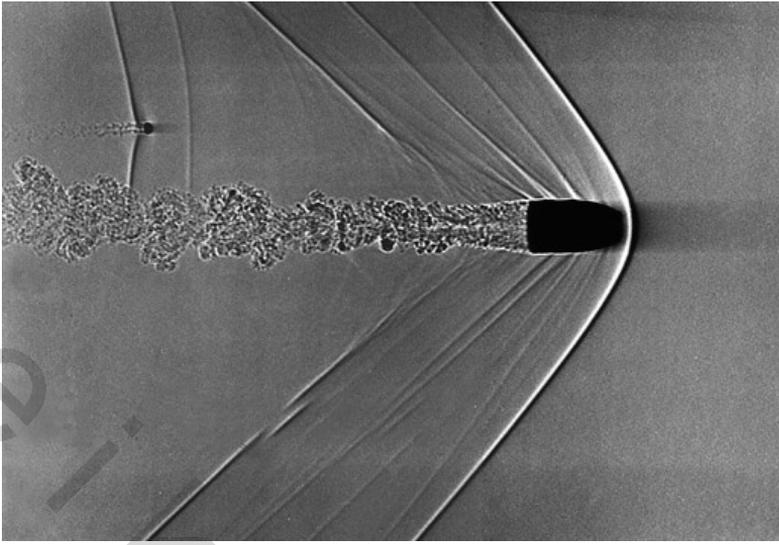
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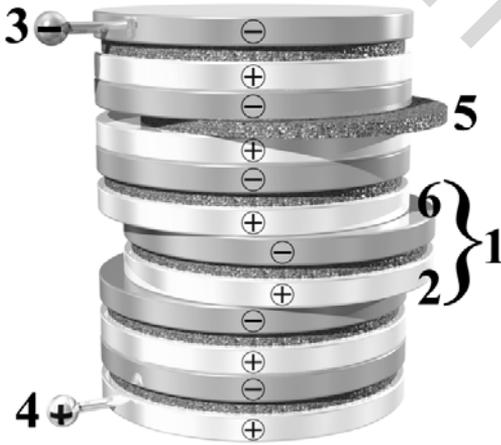
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Voltaic pile ( )

Voltaic pile  
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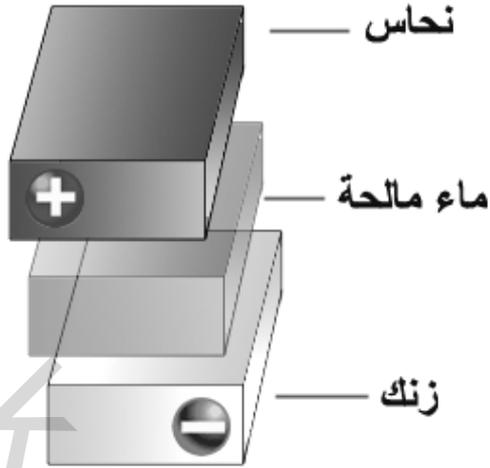
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Volta's contact law

difference of "

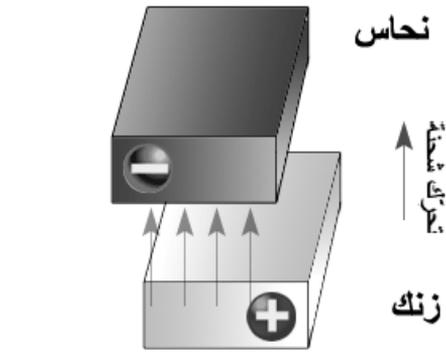
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potentials

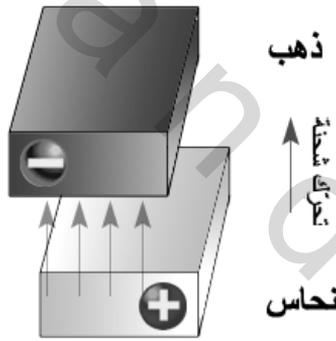
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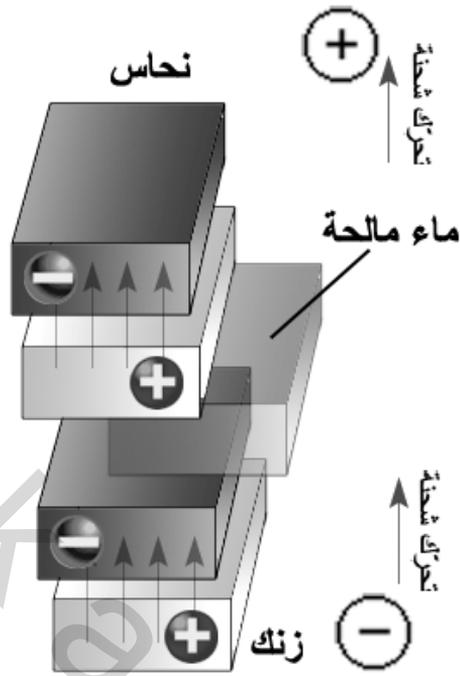
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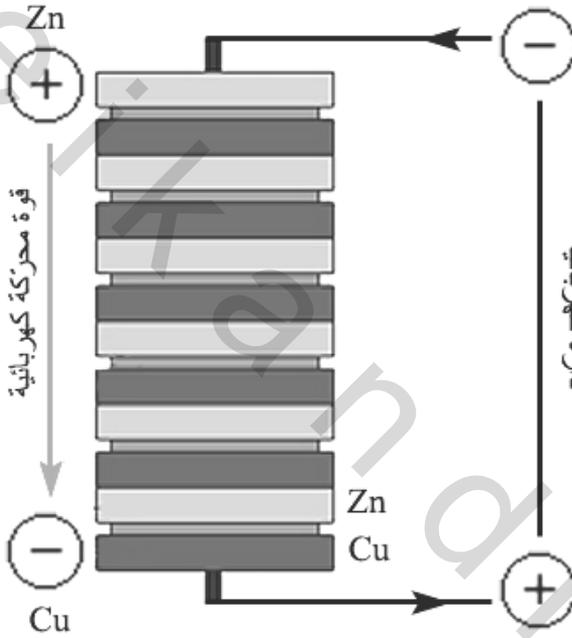
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electrochemical

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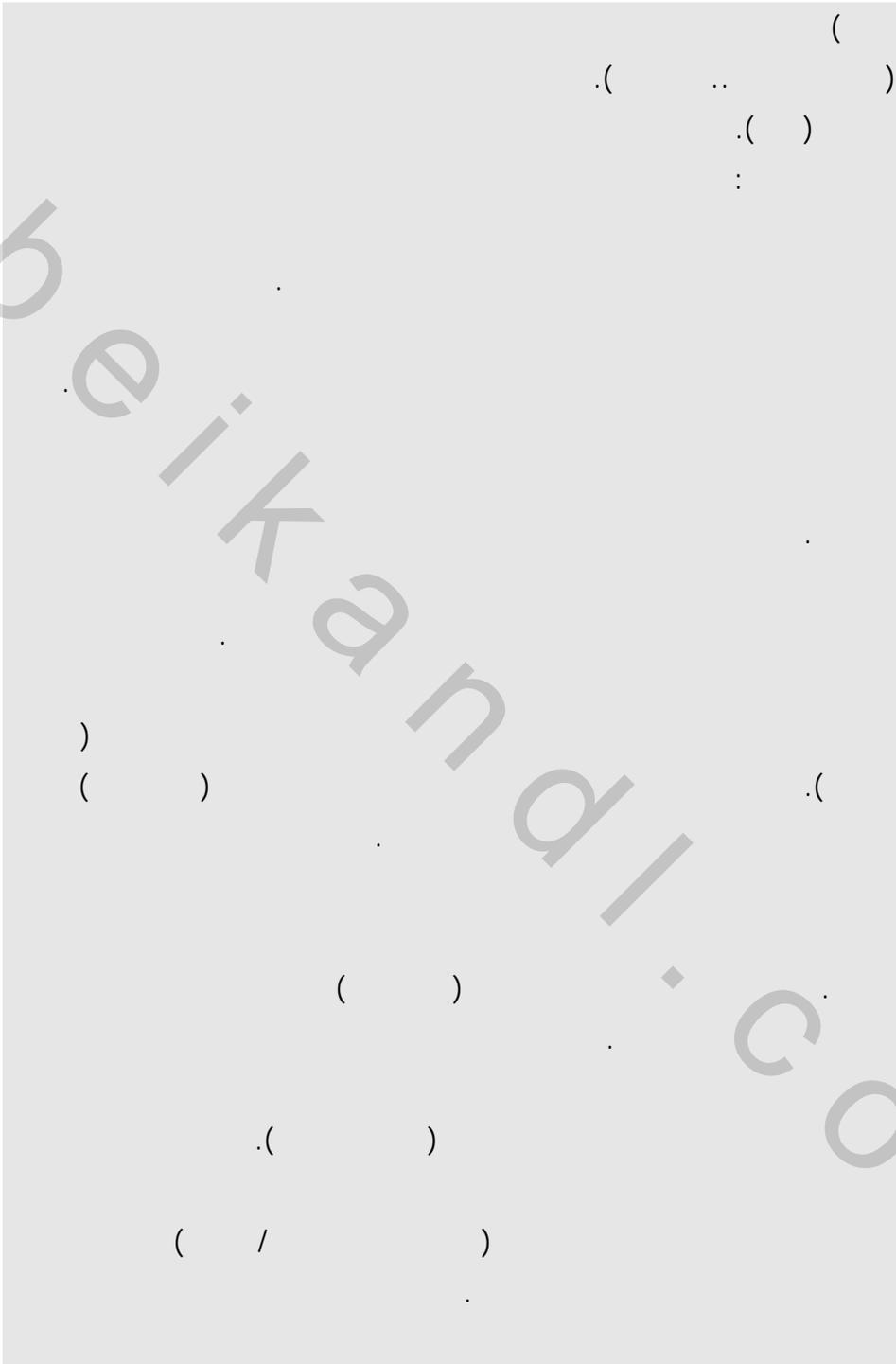
.ElectroMotive Force

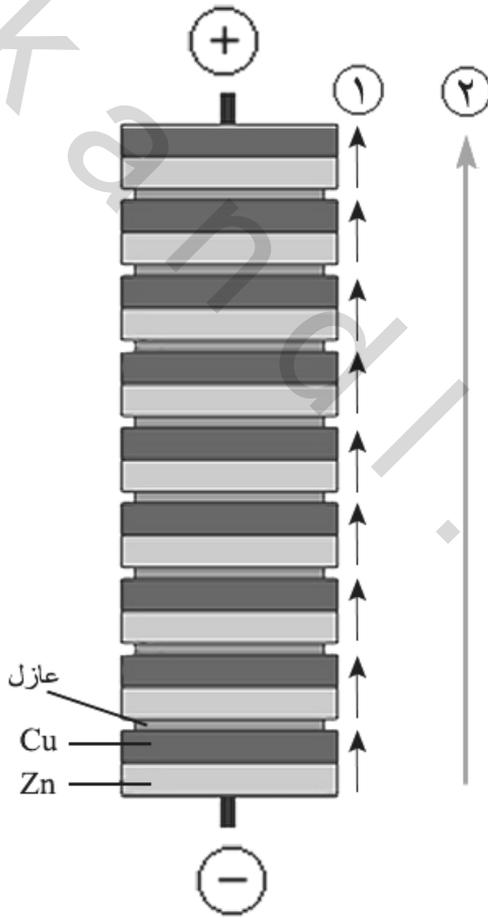
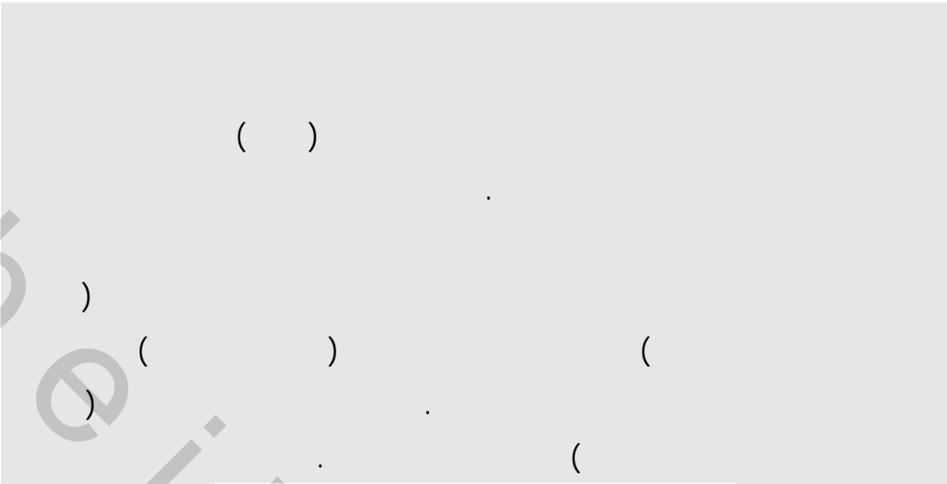


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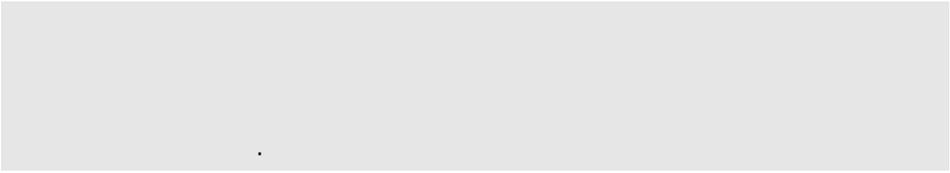
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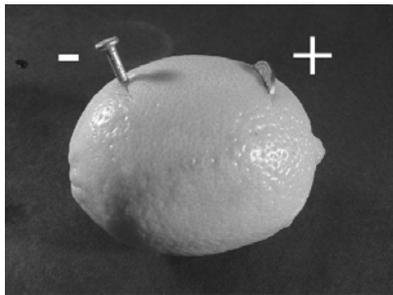
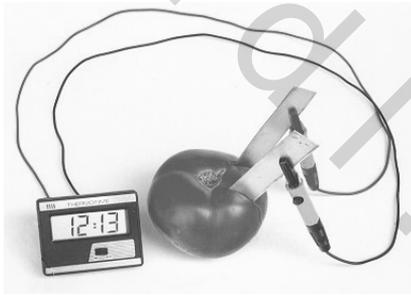
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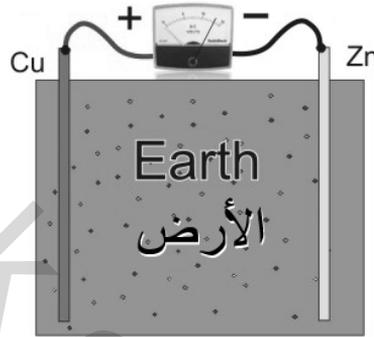
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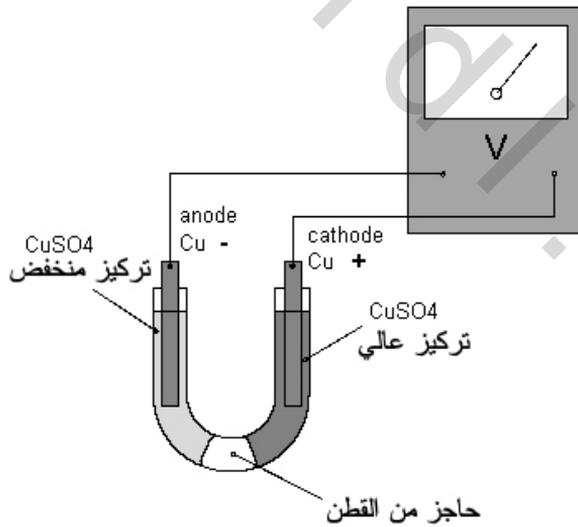
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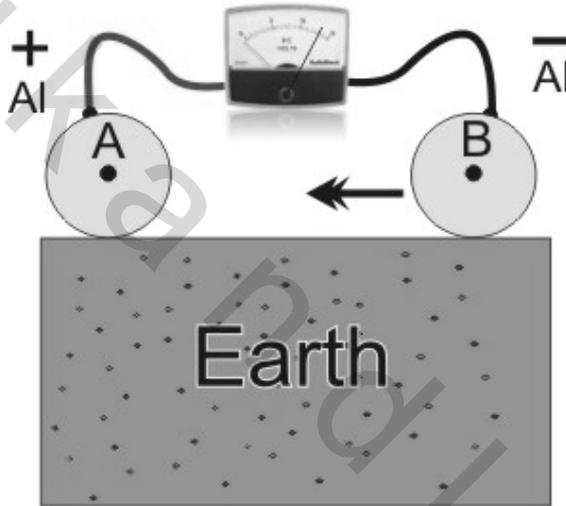
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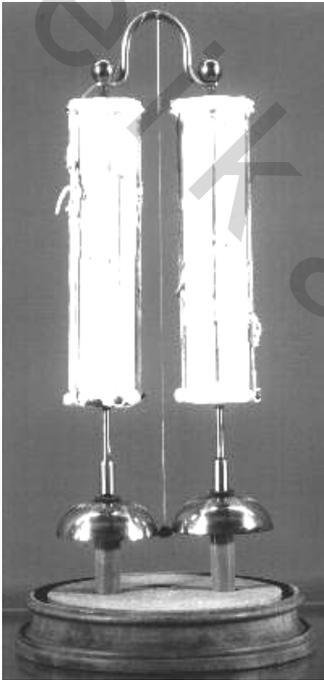
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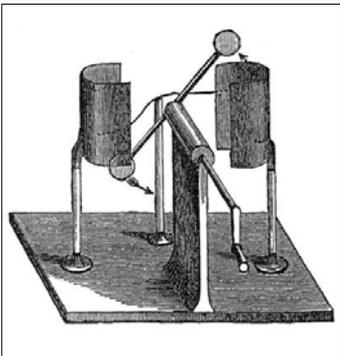
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Clarendon Dry Pile "





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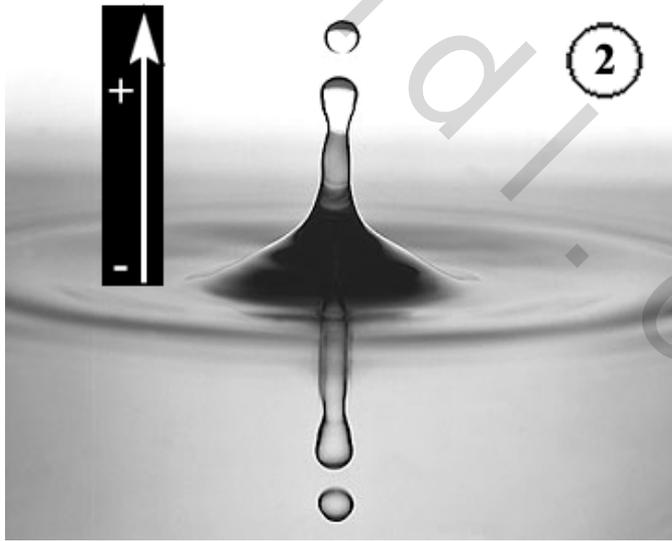
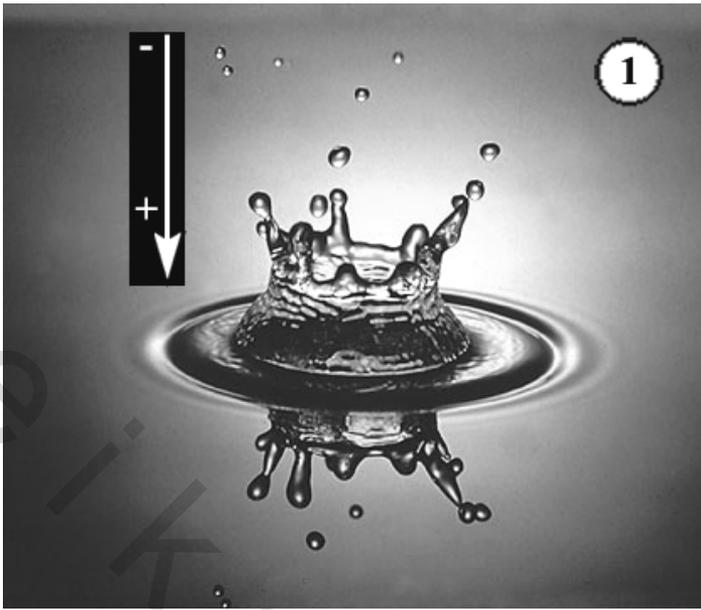
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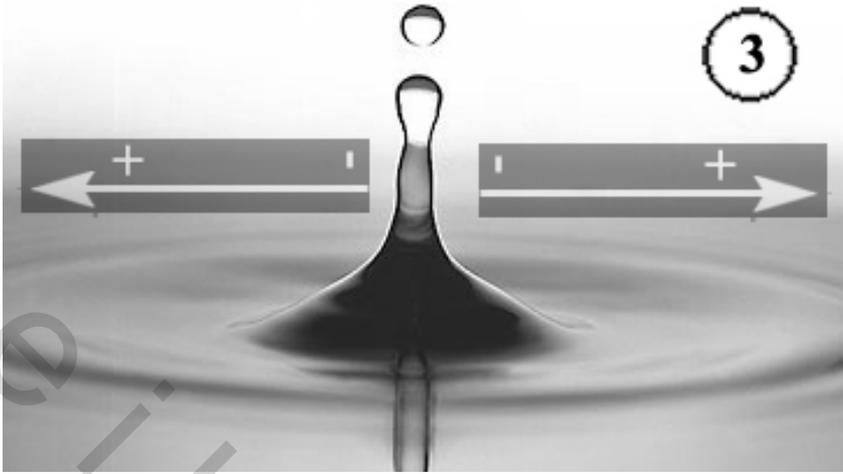
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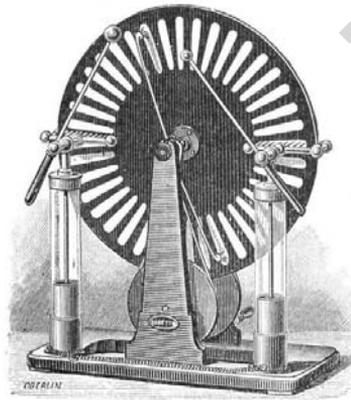
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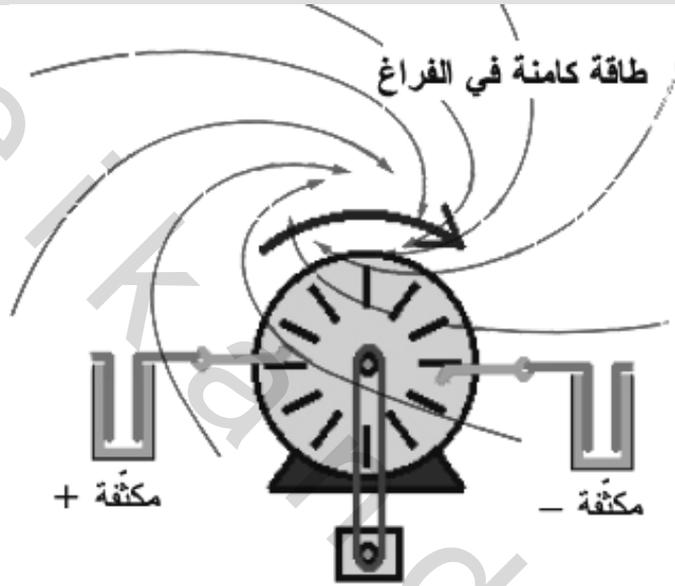
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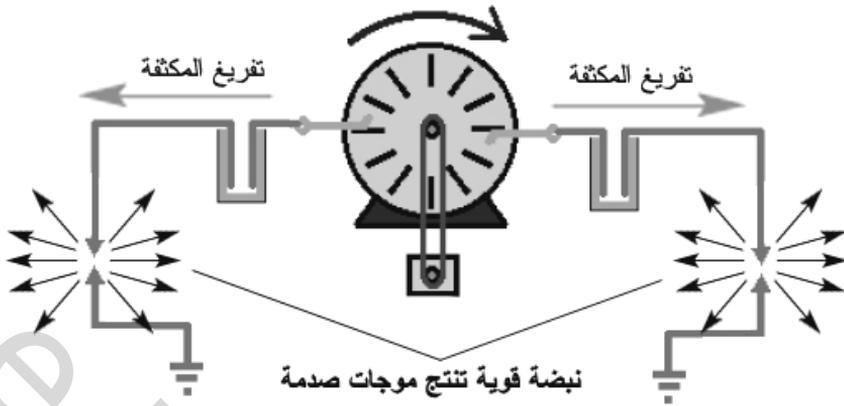


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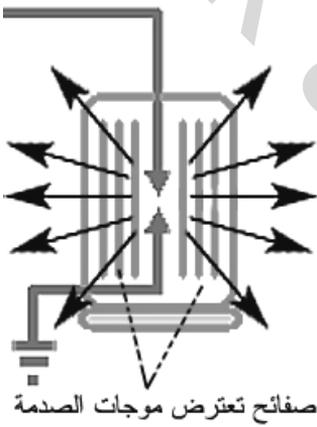
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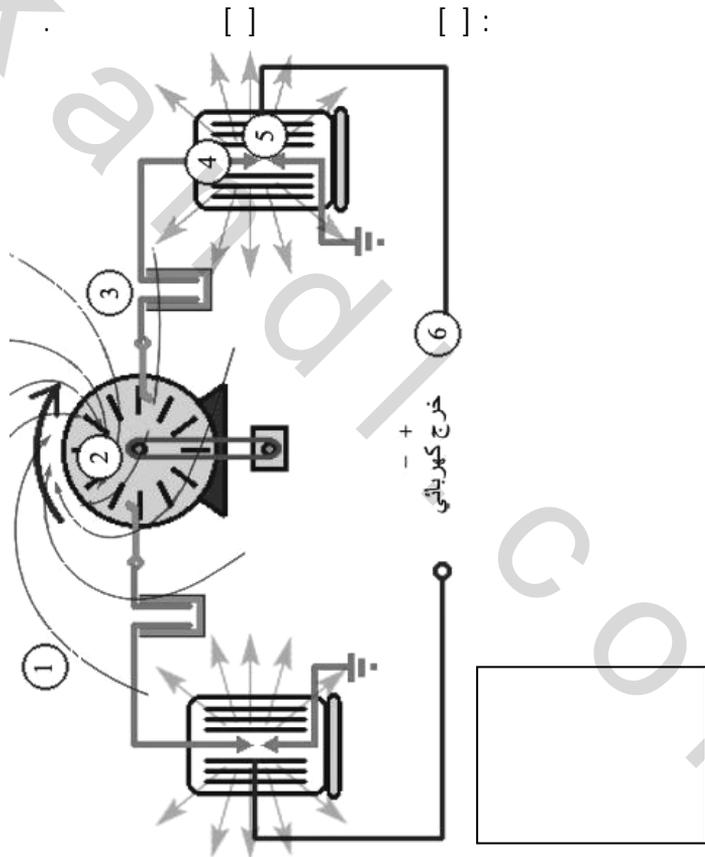
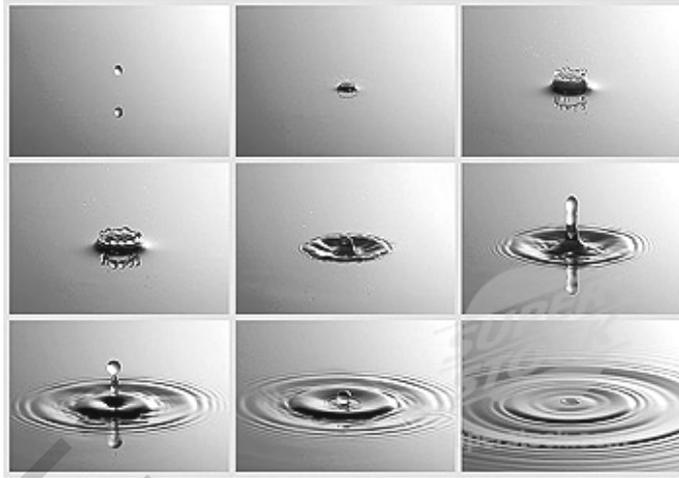


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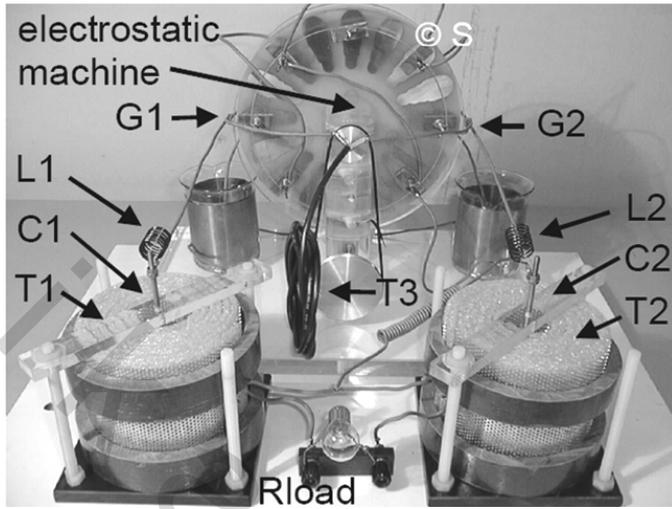
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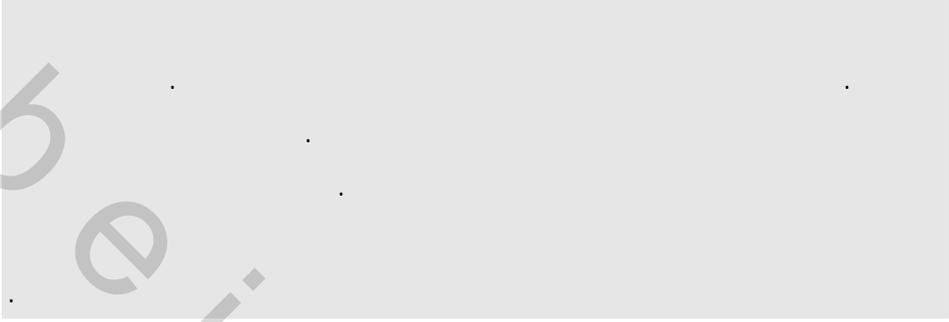


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: irrotational

$$\vec{\nabla} \times \vec{E} = 0.$$

time-varying magnetic fields

$$\frac{\partial \vec{B}}{\partial t} = 0.$$

magnetostatics

( ) scalar function  
 ( )  
 φ ( )  
 :

$$\vec{E} = -\vec{\nabla}\phi = \frac{kQ}{r^2}.$$

.....

Coulomb's law

: Q Q

$$\vec{F} = \frac{Q_1 Q_2}{4\pi\epsilon_0 r^2} \hat{r}.$$

) ( volts )  
 (coulombs ) (newtons  
 E

: Q

$$\vec{E} = \frac{Q}{4\pi\epsilon_0 r^2} \hat{r}.$$

Gauss' law

"

"

"

.permittivity of free space "

:

$$\oint_S \epsilon_0 \vec{E} \cdot d\vec{A} = \int_V \rho \cdot dV.$$

:

$$\vec{\nabla} \cdot \epsilon_0 \vec{E} = \rho.$$

Poisson's equation

( )

:P φ

$$\nabla^2 \phi = -\frac{\rho}{\epsilon_0}.$$

Laplace's equation

unpaired electric charge

$$\nabla^2 \phi = 0,$$

.....

Electric charge

subatomic particles

( )

.e

. +

-

.+ $\frac{2}{3}$

-. $\frac{1}{3}$

( )

Quarks

antiparticle equivalents

Coulomb's law

non-

zero

( )

free

) bound charge

)

.(charge

(

electrolysis

.oil-drop experiment

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$6,24 \times 10^{18}$

coulomb

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.Q

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Thales of Miletus "

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.Turboelectric effect

*electricus* "

" "

*De Magnete* "

*elektron* ηλεκτρον

electric

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electricity

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.two-fluid theory ( )

) *vitreous electricity*

(

.*resinous electricity*

one-fluid theory

( )

*vitreous* " " positive " "  
*resinous* " " negative " "

electron "holes" "

( )

electrolytic

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q

.relativistic invariant "

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Conservation of charge

gauge invariance

) wave function

continuity equation

.(

J

V

P

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.I

S

$$-\frac{d}{dt} \int_V \rho dV = \int_S \mathbf{J} \cdot d\mathbf{S} = \int JS \cos\theta = I.$$

continuity

: equation

$$I = -\frac{dQ}{dt}$$

Q

I

Triboelectric effect

contact electrification "

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Thales of Miletus "

.èlectròn "

electricity "

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Polyurethane

PVC

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*tribos*

adhesion

( )

triboelectric effect

adhesion ( )

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contact

pyroelectric

electrification

nano-effects

atomic force microscope

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x ( )

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electric current

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( )

T

Q

I

$$I = \frac{Q}{T}$$

T

:

$i(t)$  ( )

$$i(t) = \frac{dQ}{dt}$$

DC voltage

source

I

$$I = \frac{Q}{t}$$

$Q$   
 $t$

$$t = \frac{Q}{I} \quad Q = It$$

( )

$$I = nAvQ$$

$I$   
 $n$

A

v

Q

( )

cathode ray tube "

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Ohm's law

resistor

:resistance

voltage

$$I = \frac{V}{R}$$

I

V

R

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plasma

) holes

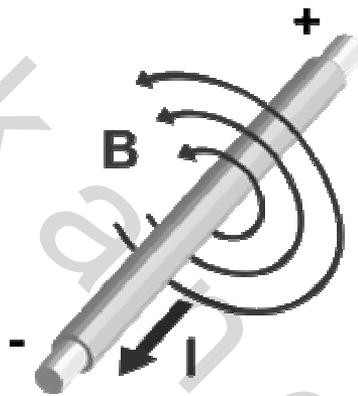
.(neutral

.p-type semiconductor

.(aurora borealis

aurora australis

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galvanometer

Hall effect sensors

Rogowski coils

transformers

Circuit theory

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$dD/dt$  displacement current  
conservation of charge

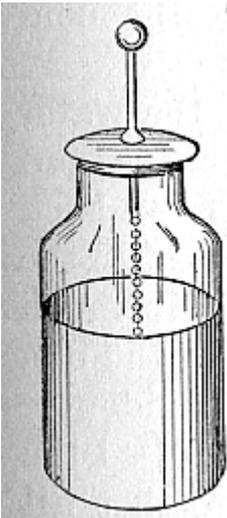
.aether

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Leyden jar



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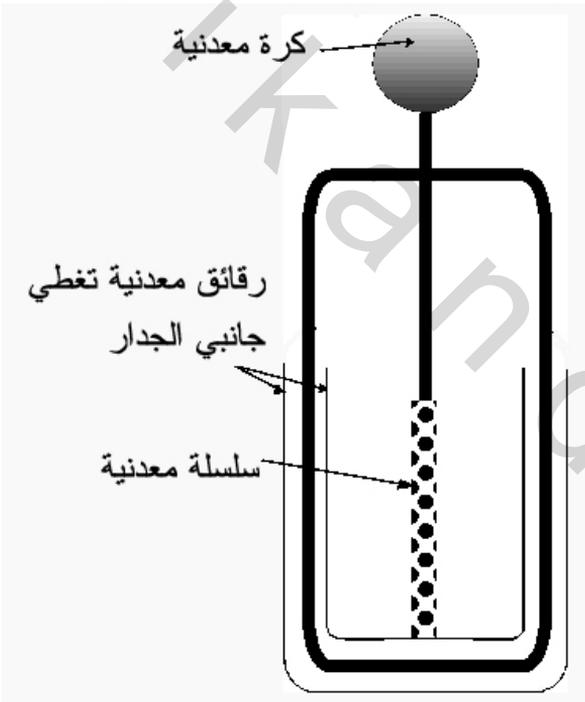
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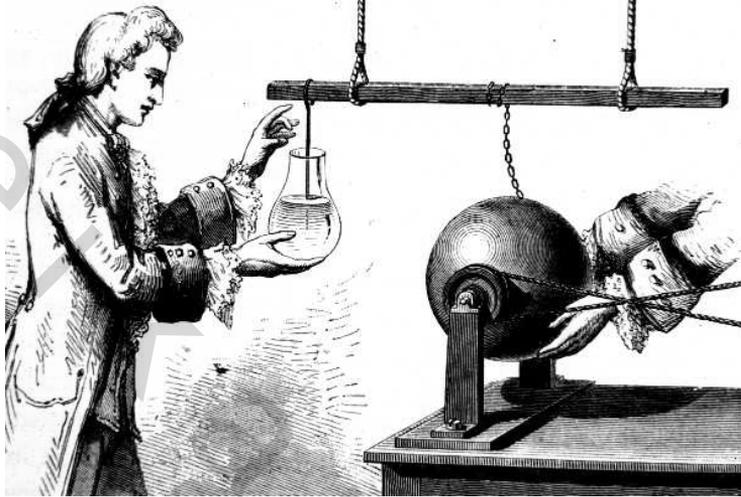
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capacitor "



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.corona discharge

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nF "



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corona discharge



contact electrification

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electrostatic charge "

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.( ) imbalance

.contact tension "

" contact electrification

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.Voltaic pile (

( ) fuel cells

" " " "

batteries

thermocouples

electroplating

radio detector diodes

semiconductor

LEDs

photocells

..thermoelectric cells

electrochemistry

contact tension "

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corrosion

capacitance electroscopes

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.Triboelectric effect

high

tribo " " .voltage

quantum tunneling

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electrolyte ( )

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.half-cell reaction

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Galvanic cell



.Volta effect

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thermocouple

.Peltier-Seebeck effect "

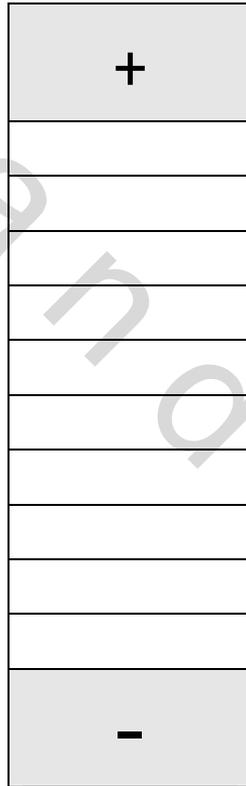
difference of potentials "

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:Volta's contact law



(+)

EMF

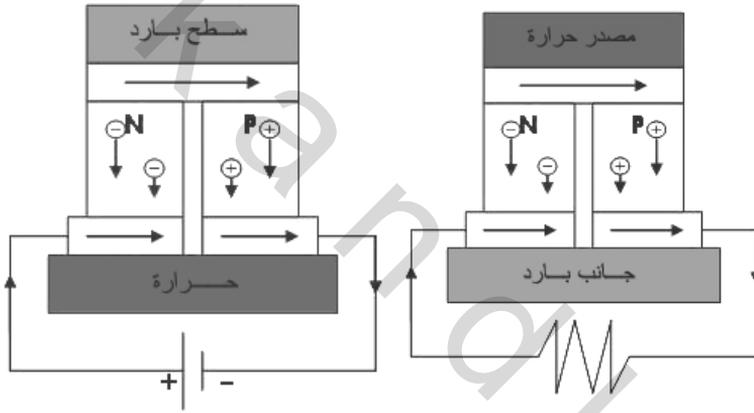
.EMF

positive (+)

potential

Peltier-Seebeck "

thermocouple  
.effect



Semiconductor

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rectifier diode

.Doping

N

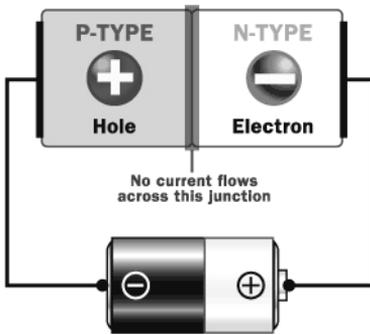
Negative

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Positive

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holes

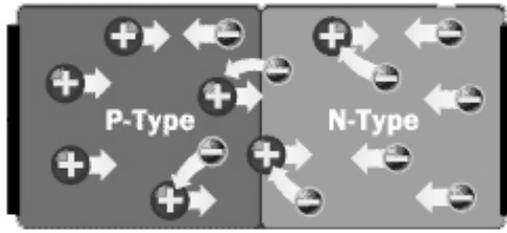


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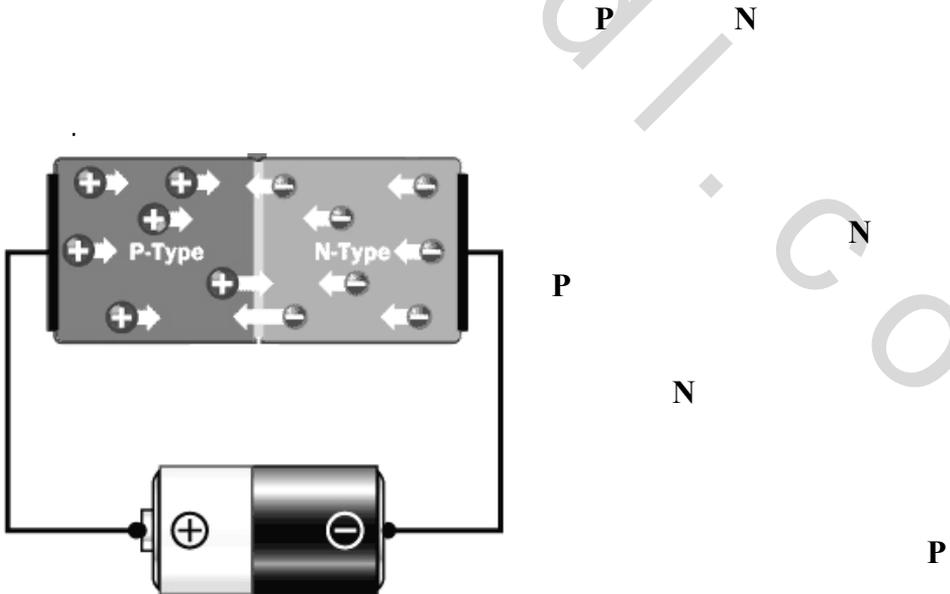
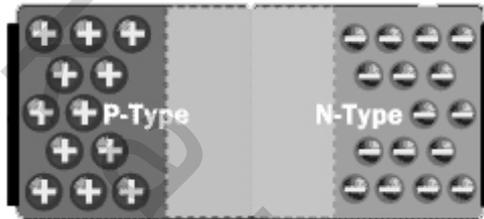
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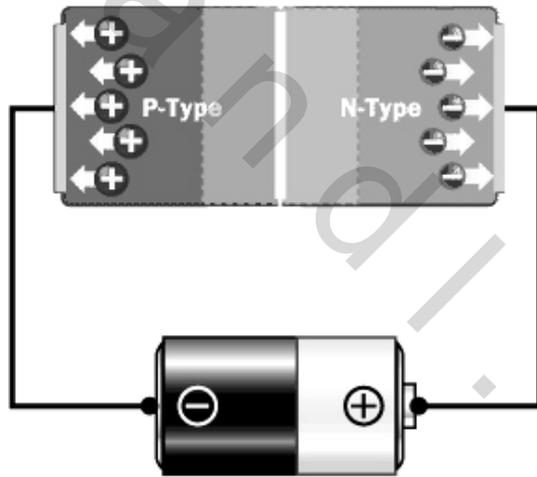


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.Depletion Zone



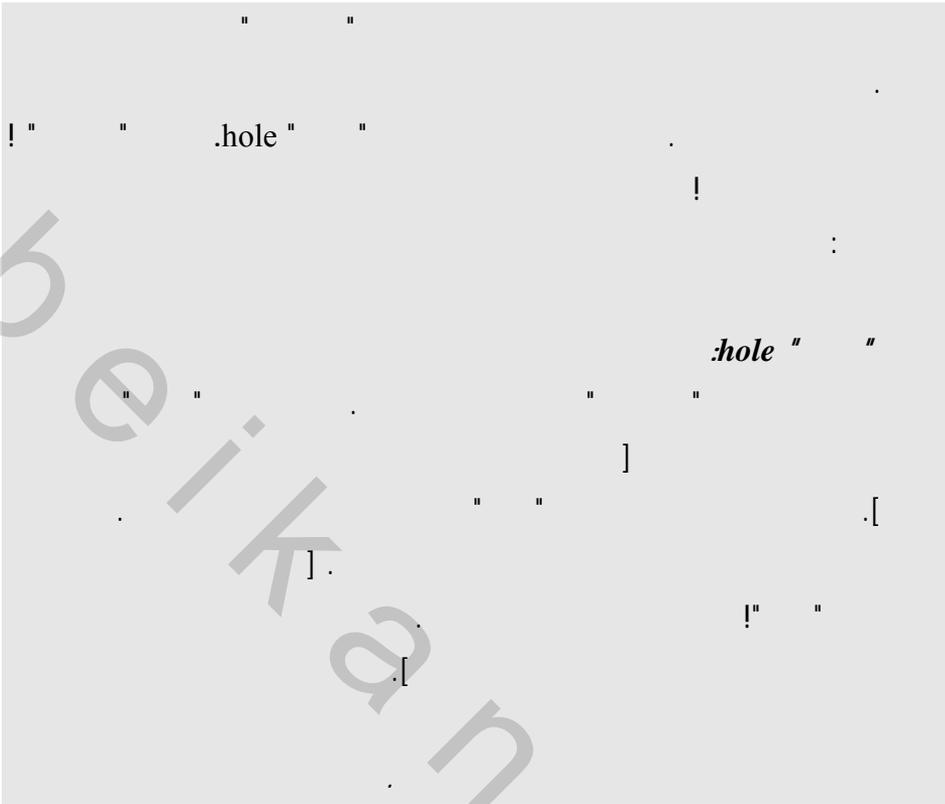
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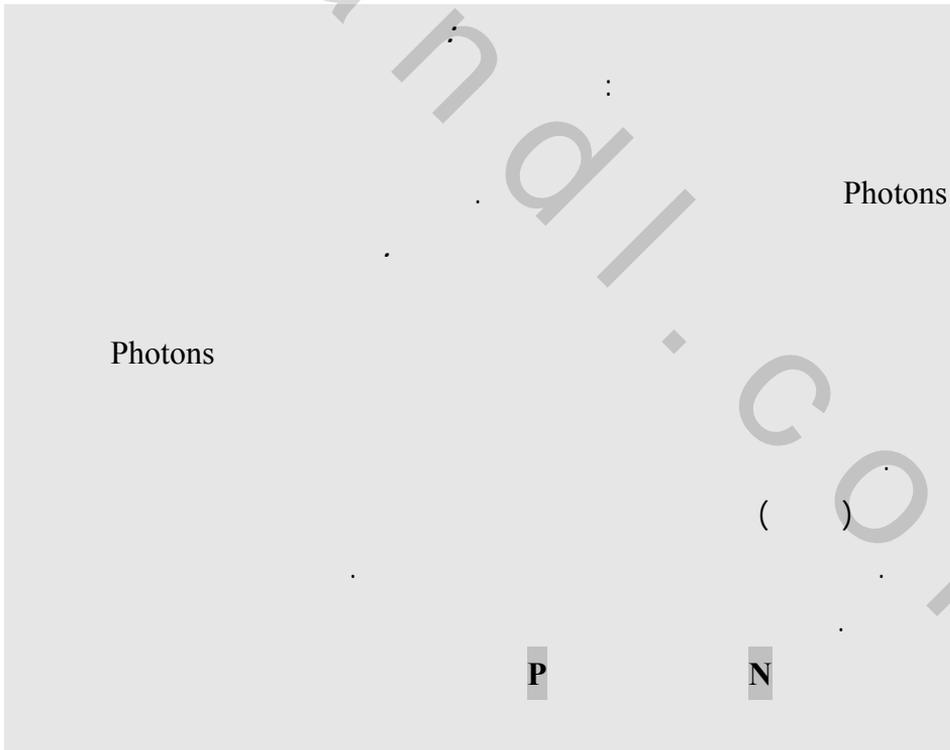
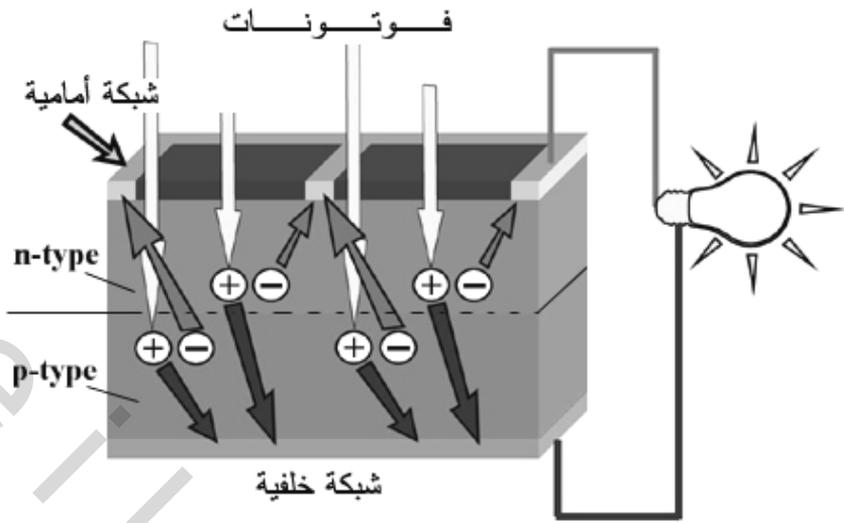


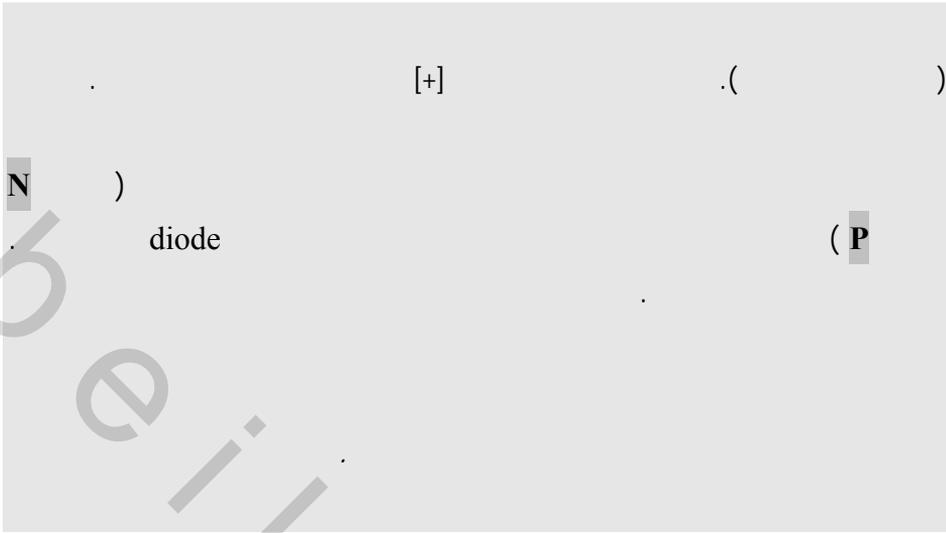
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) diode (



.solar cells

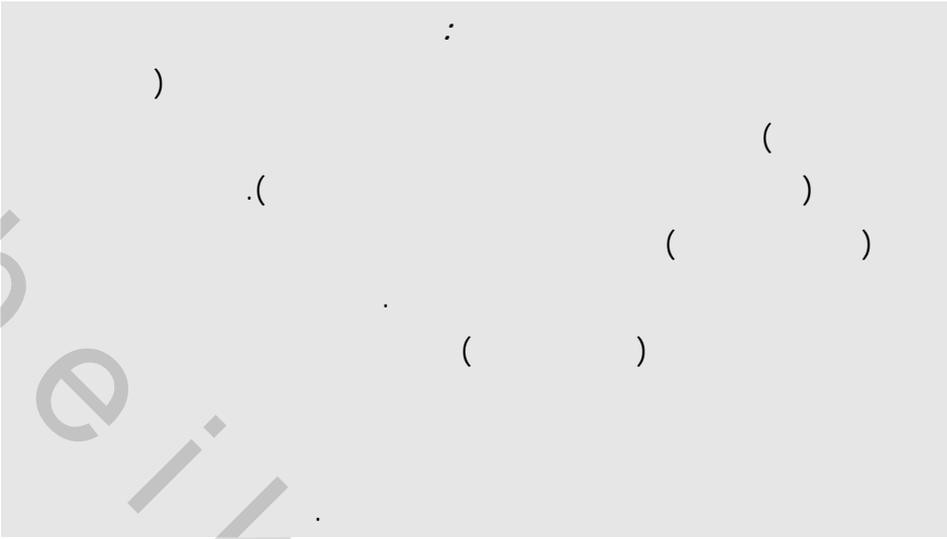




LED



LED



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Voltaic pile  
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electrolysis



Dry-Pile

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" contact tension "

.electrochemical

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.contact tension

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hygrometer

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Clarendon Dry Pile "

voltmeters

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Willem Hackmann " "

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### The Enigma of Volta's "Contact Tension" and the Development of the "Dry Pile"

dry pile

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Nahum Kipnis " Helge Kragh

.Nuova Voltiana " "

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Leyden jar " "

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.contact tension

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Dyckhoff " "

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Peter Ludwig Maréchaux "

) Jean Nicholas Pierre Hachette " ( )

( ) Charles-Bernard Desormes " (

) Thomas George Bernhard Behrens "

.( ) Paul Erman " (

" " "

micro-electrometer "

( )

Galvanic Society " "

.Veau Delaunay " "

Hachette " "

Desormes

Giuseppe Baronio " "

Maréchaux " "

Behren " "

Annalen der Physik

contact " "

.tension

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Zamboni " " de Luc "

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J.A. de Luc

( ) J.A. de Luc " .. "

Charlotte " "

Gottingen " "

.Philosophical Transactions " "

Journal of Natural Philosophy, Chemistry, and the Arts "

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Humphrey Davy " "

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On the Electric Column, and "

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) Aerial Electroscopes



dissection

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B.M. Forster "

.Thomas Howldy "

George John Singer "

Elements of Electricity

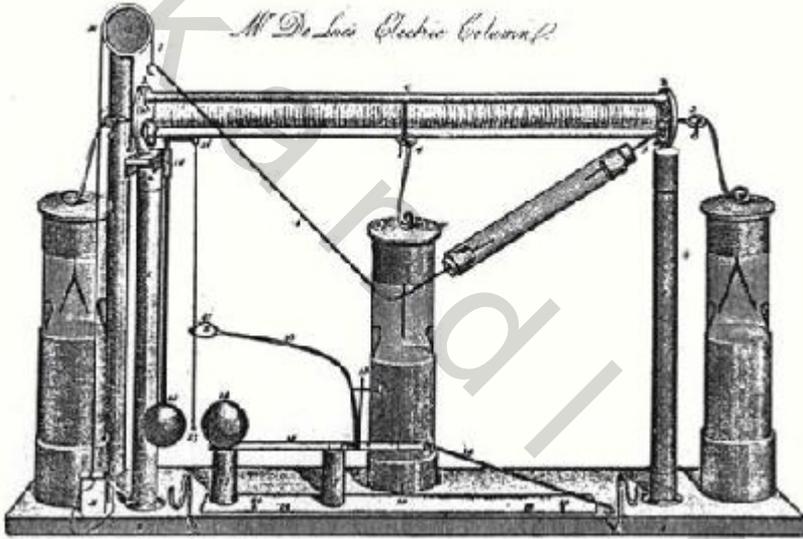
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.and Electro-Chemistry

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Giuseppe Zamboni



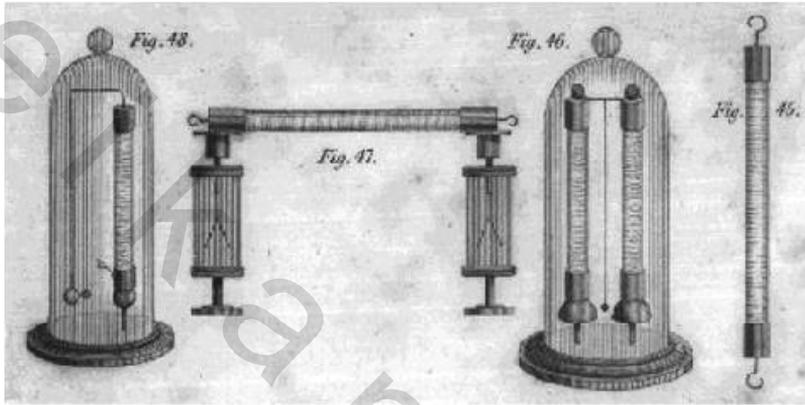
" " " "

zinc " "

sulphate

manganese dioxide

turpentine



electrical perpetuum "

*Giornale di fisica:*

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Brugnatelli "

mobile

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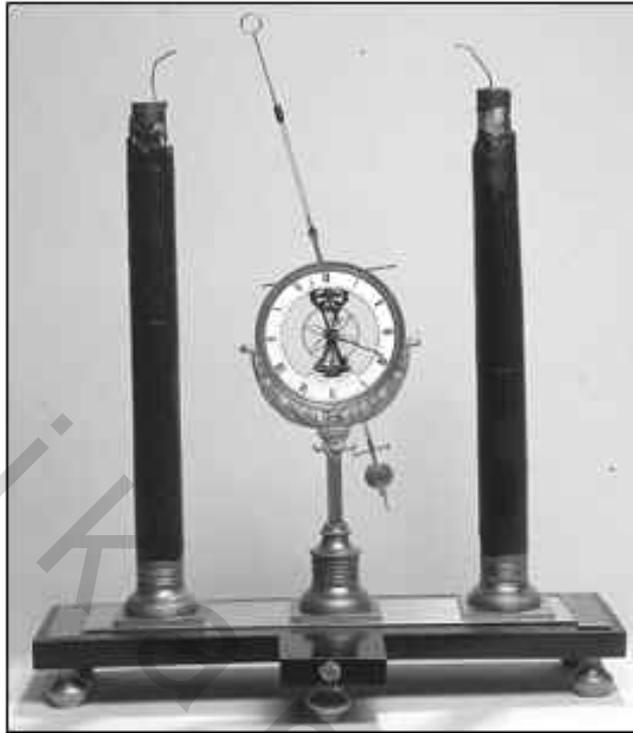
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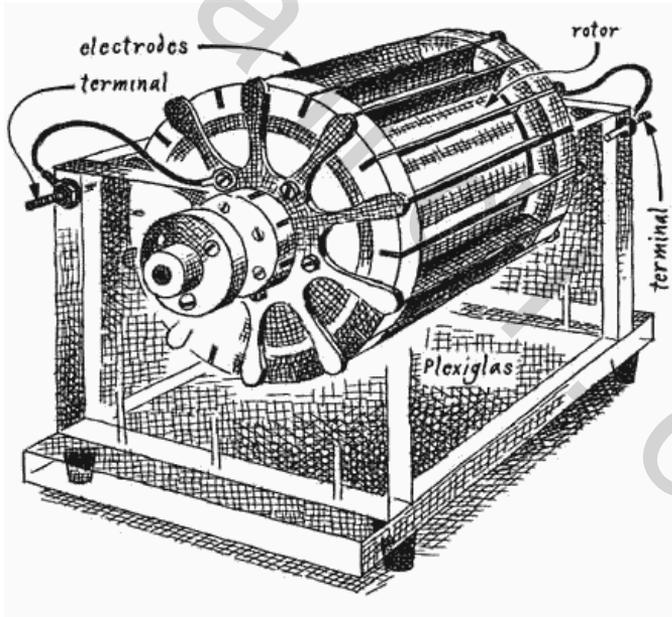
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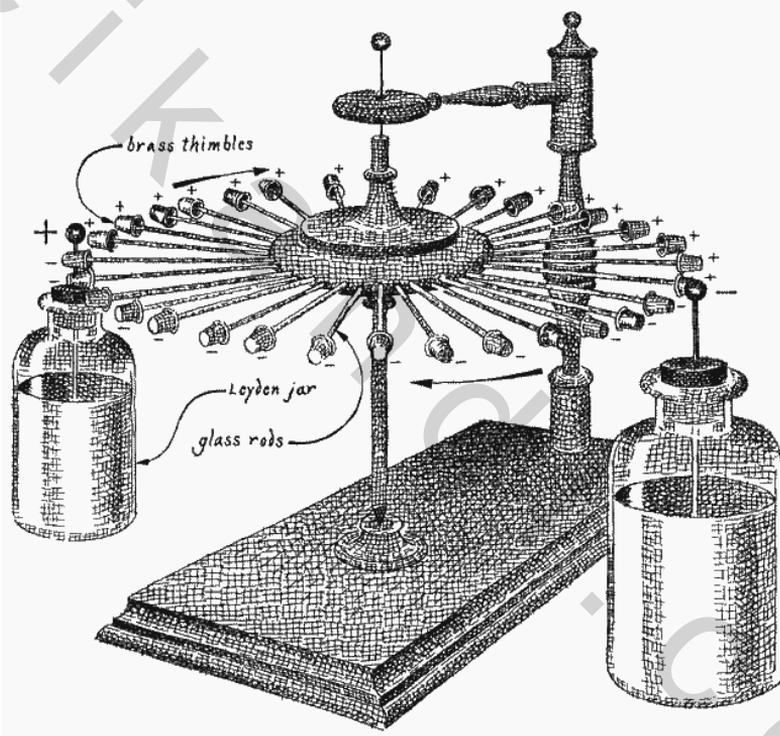
.Leyden jars " "

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electrostatic

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.generator



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obeyikandali.com

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colloids



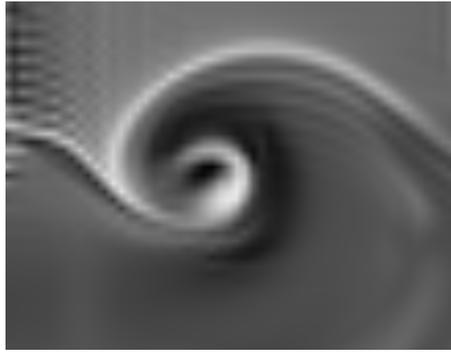
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Ramacharaka

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*vortex flow*

Victor Schauderger

Implosion

Callum Coast

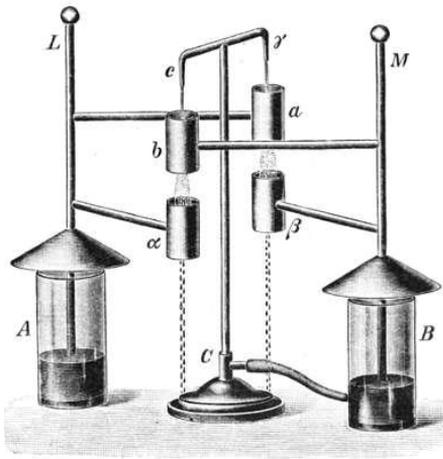
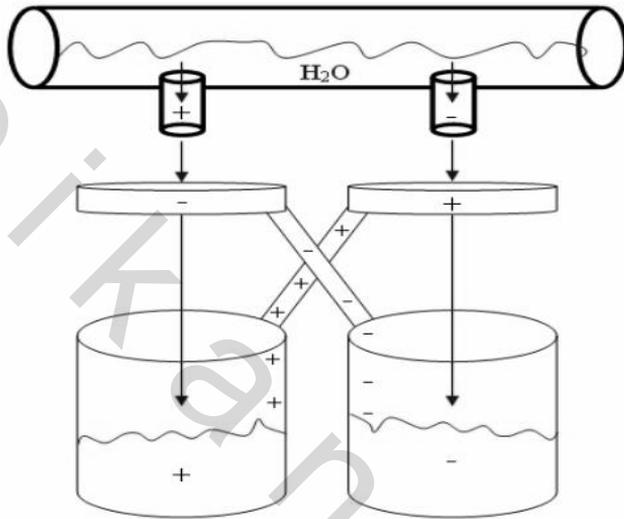
Living Energies "

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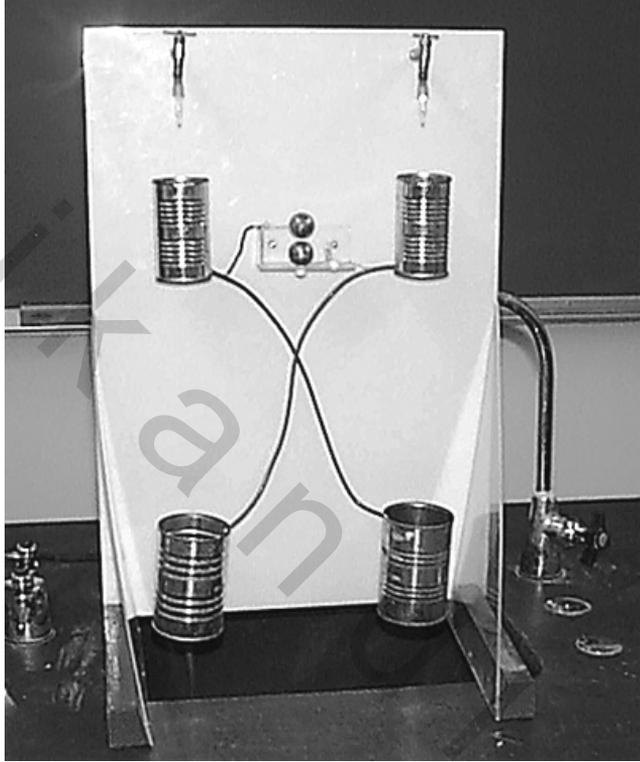
.water-dropping condenser"

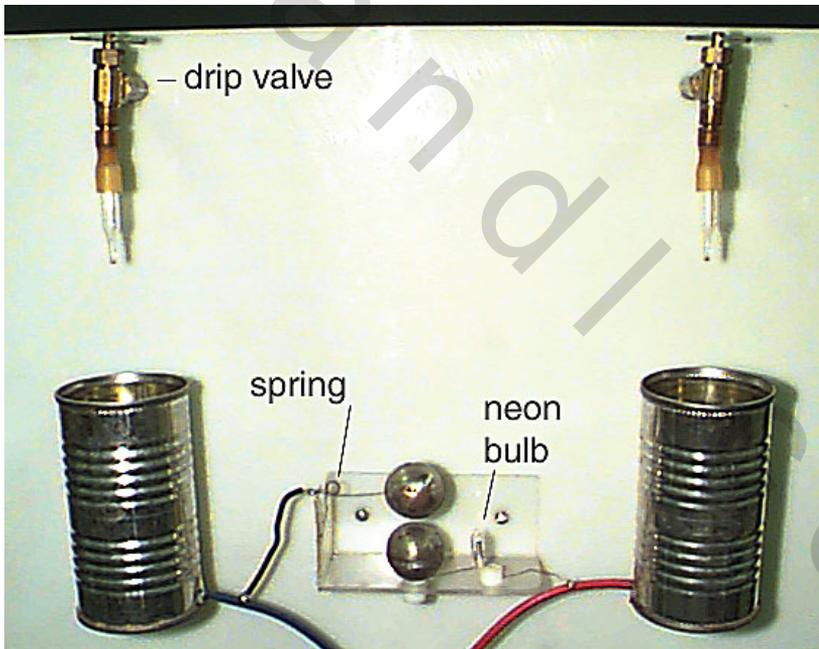


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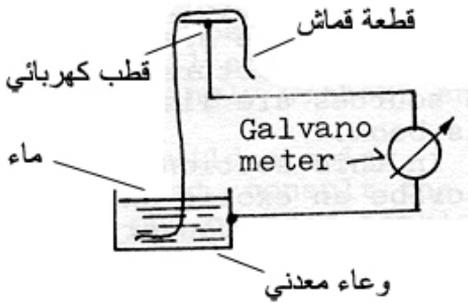
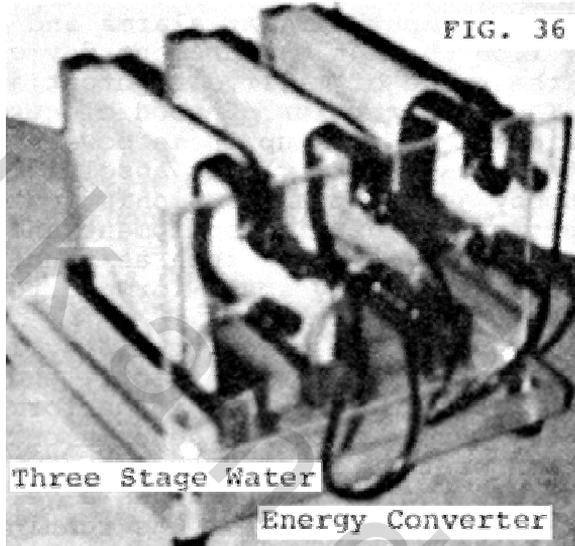
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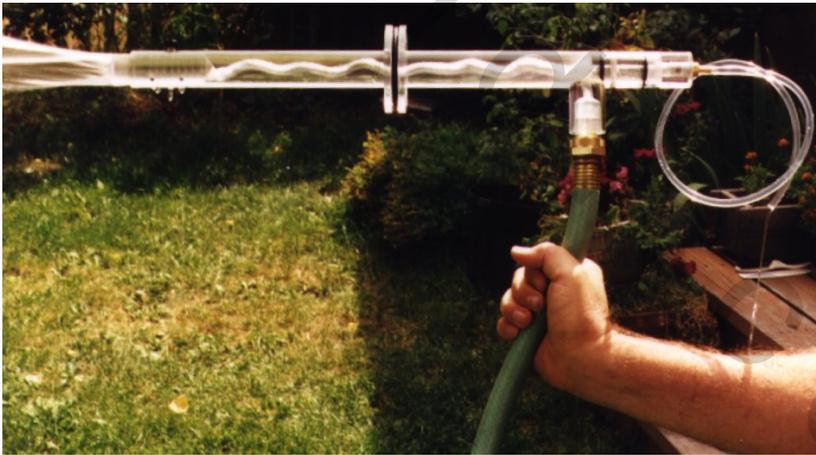
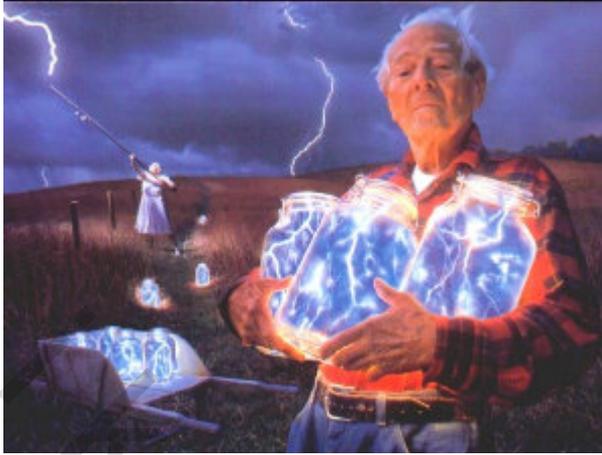




water Energy Converter

Paul Monus





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Joe Cell

electrostatic generators

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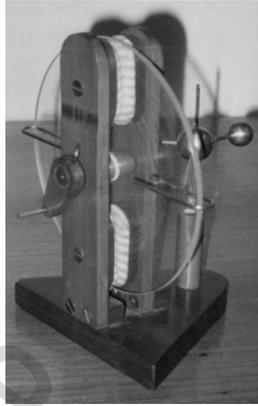
friction

:

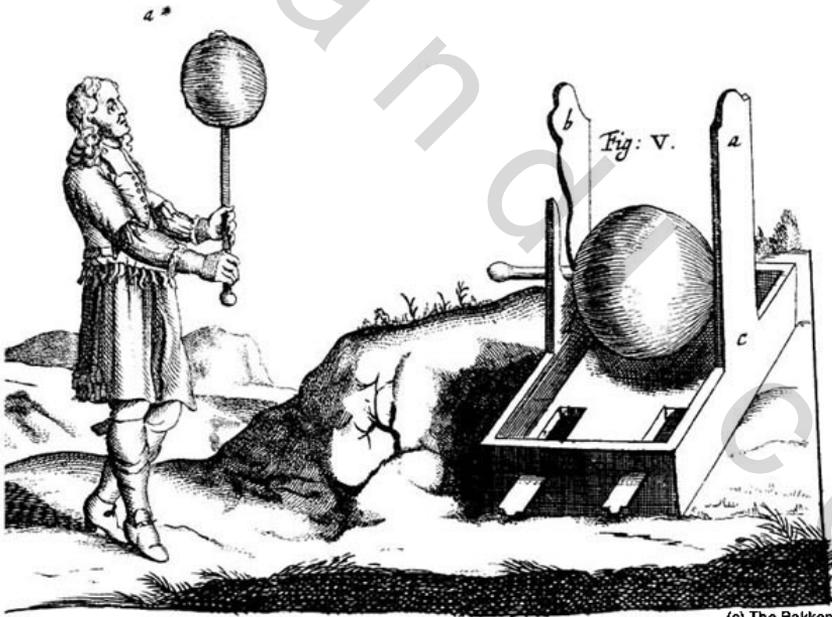
.influence machines

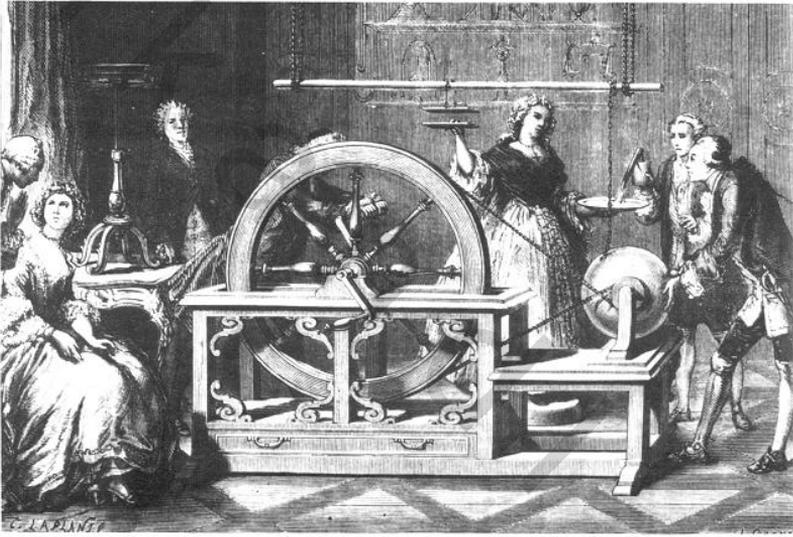
machines

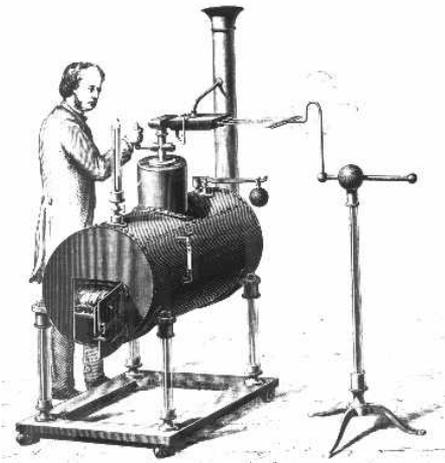
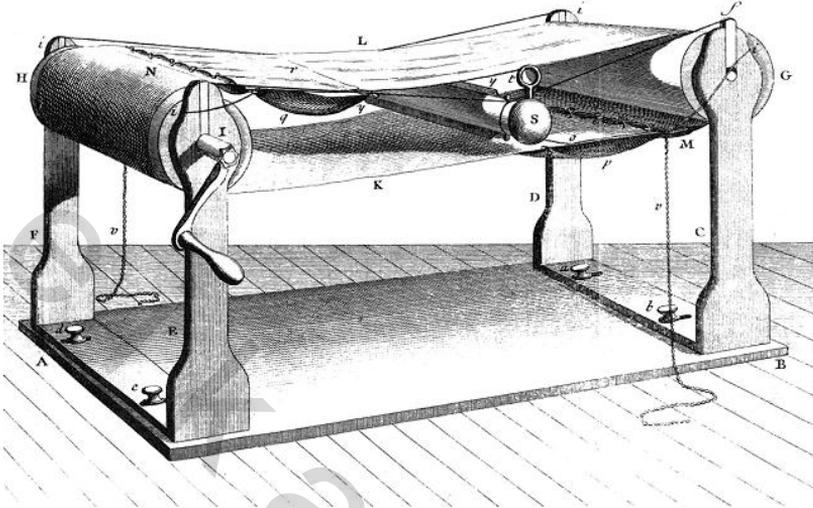
friction machines

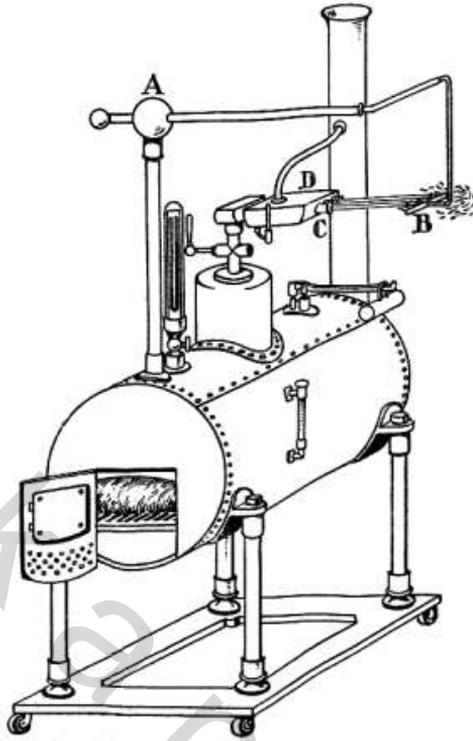


*friction machines*



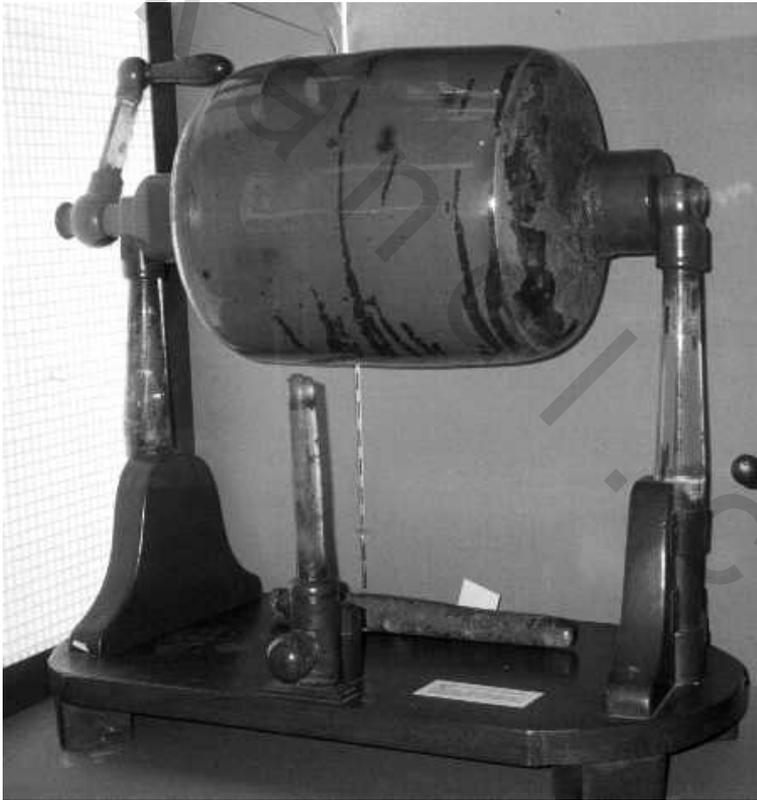
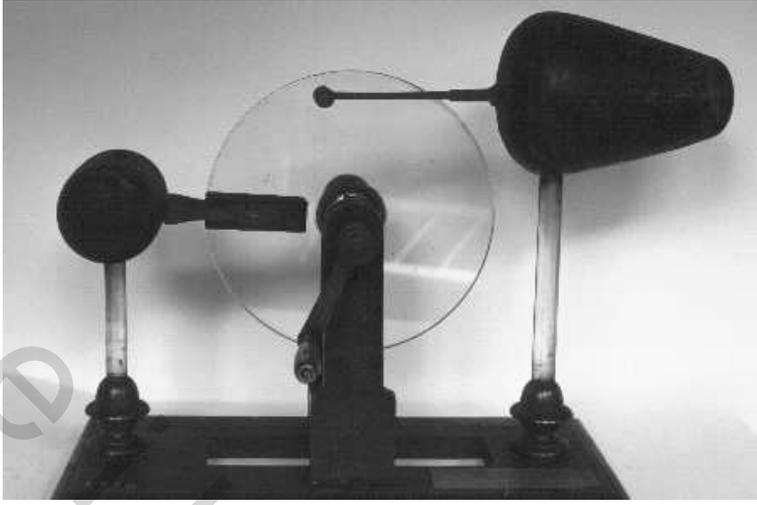






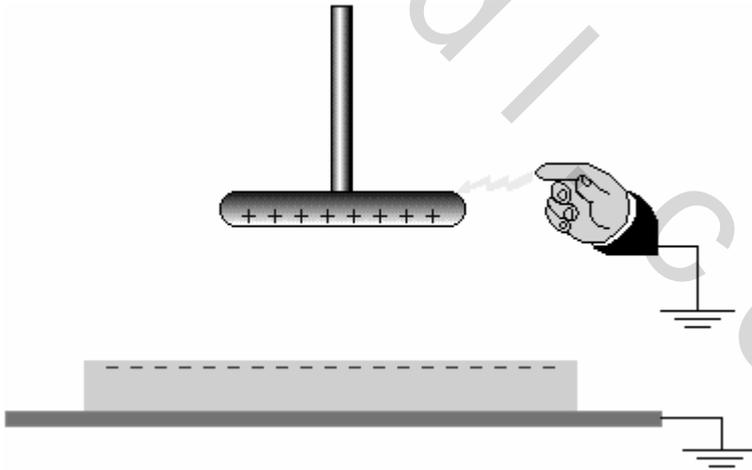
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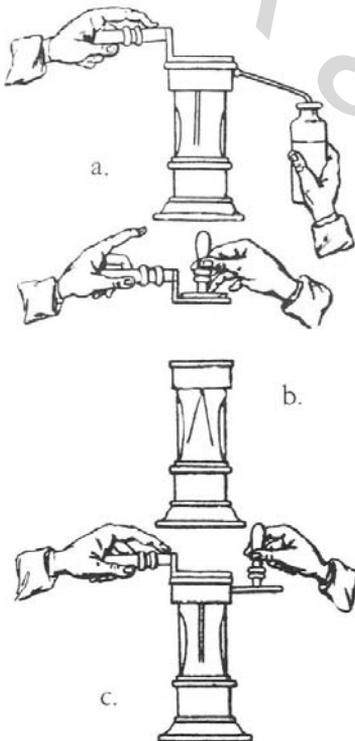
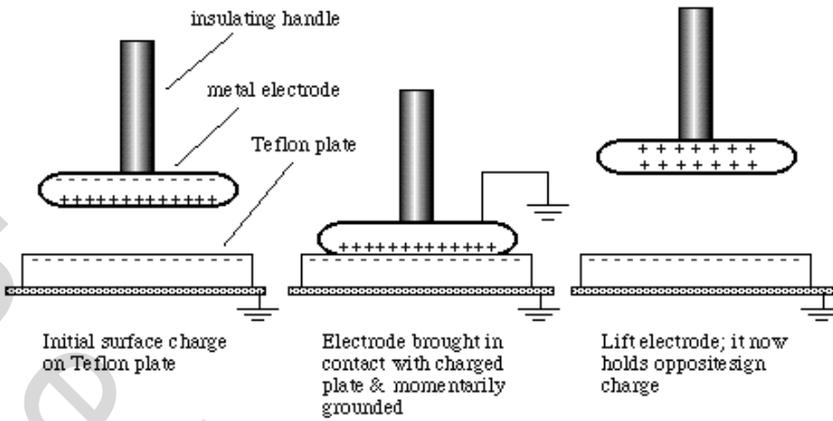




Influence machines

( ) *electrophorus* "

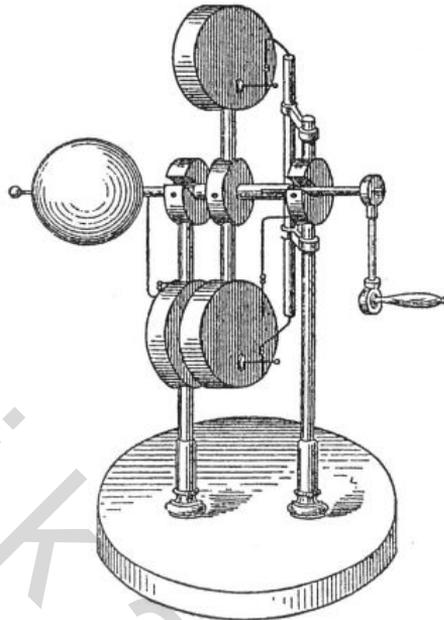




electroscope

*doubler of electricity*





rotating

doubler

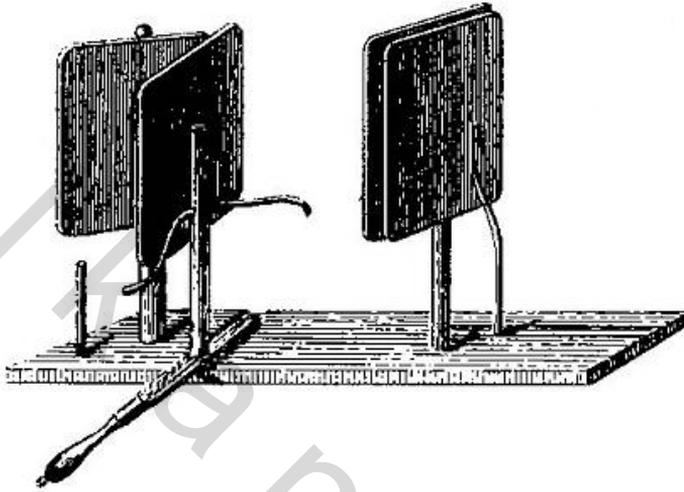
winch

"spinning condenser"

.apparatus

" " " " " "

.rotating doublers



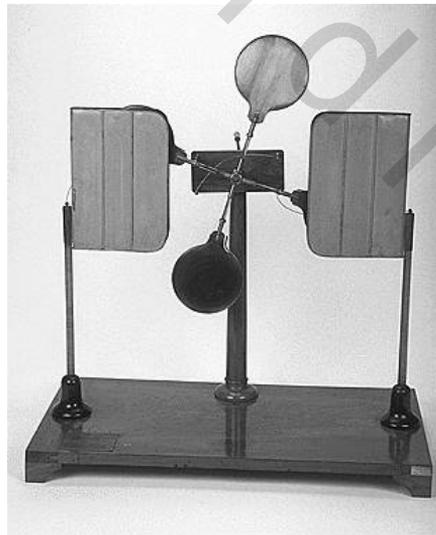
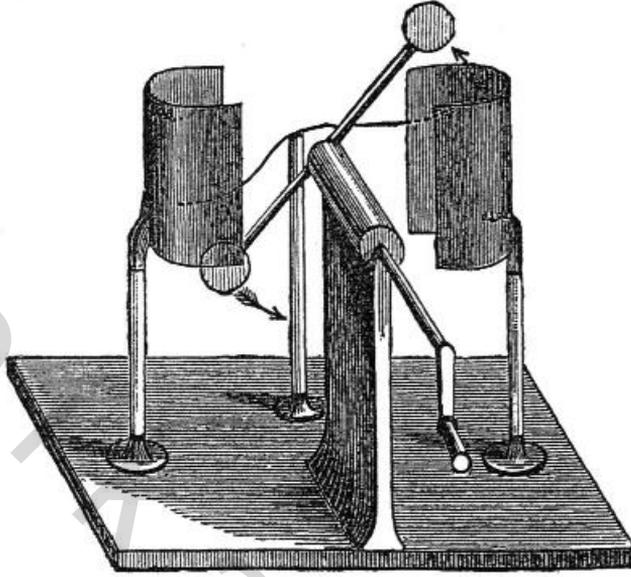
Annalen der

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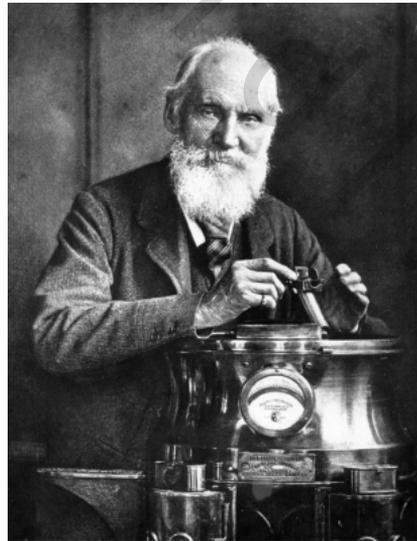
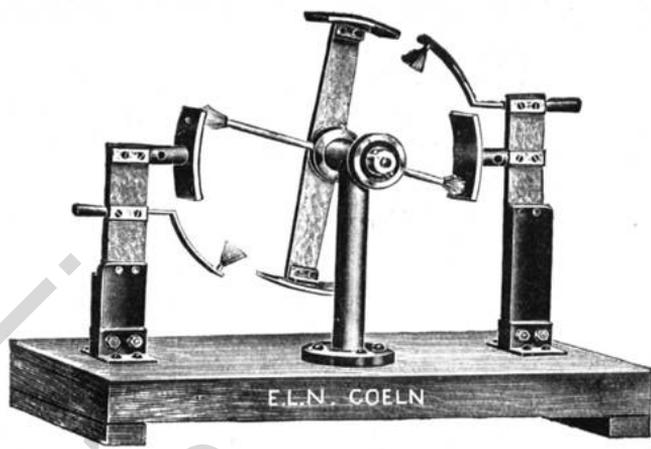
symmetrical doubler

Physik



MUSEO PER LA STORIA DELL'UNIVERSITA' DI PAVIA

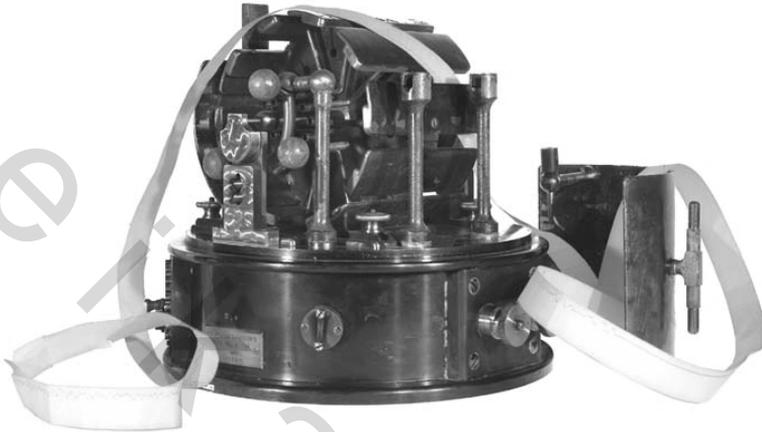
" " ( ) Lord Kelvin " "  
.( ) replenisher



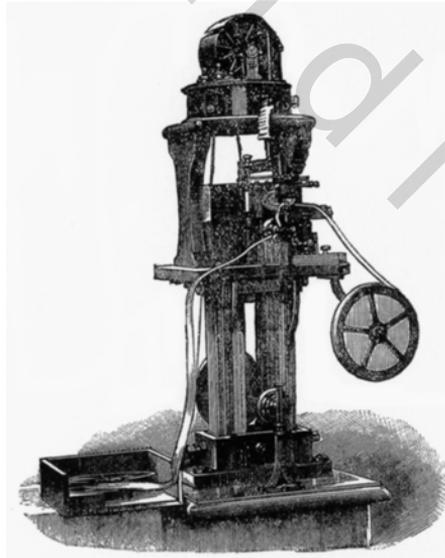
" "

mouse mill " "

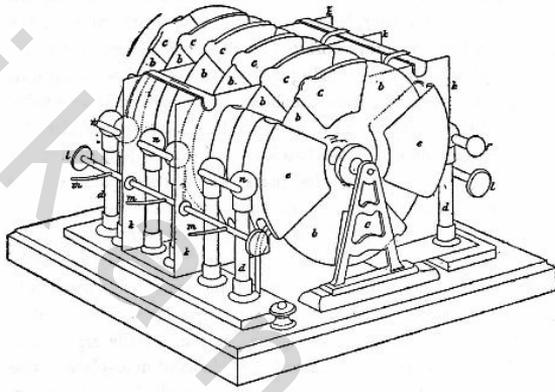
.siphon recorder



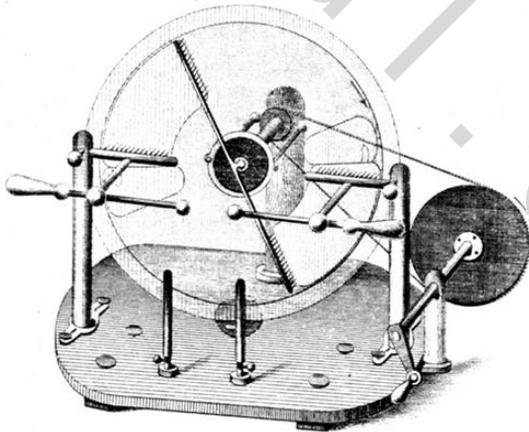
" "



*siphon recorder*



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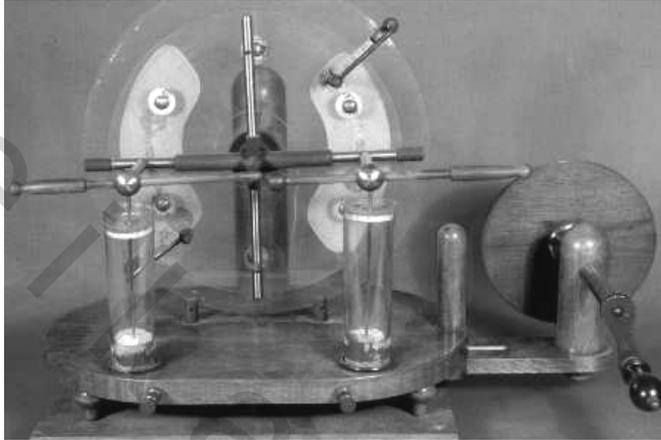
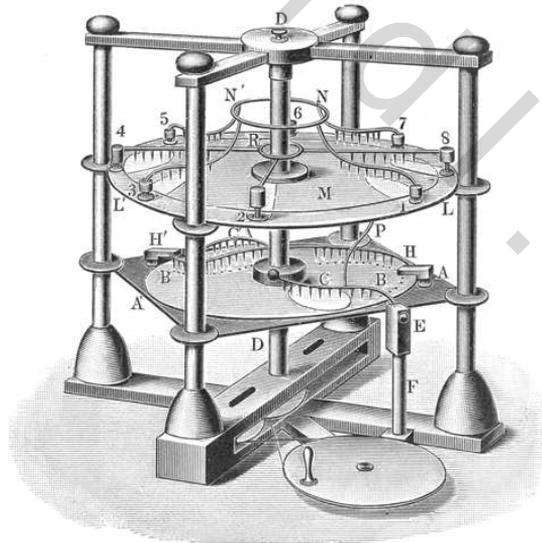


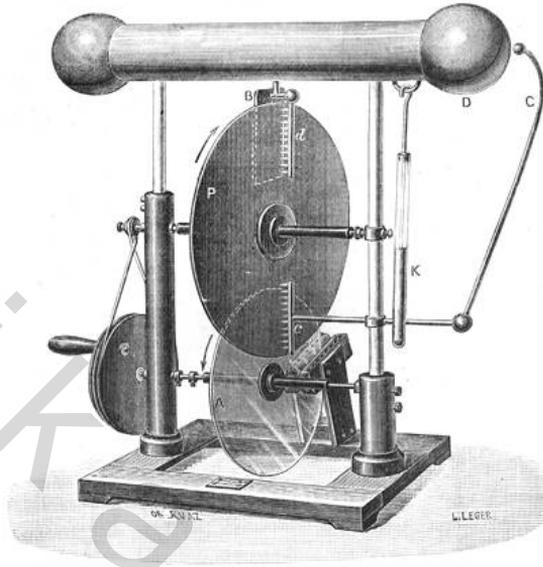
Fig. 113.



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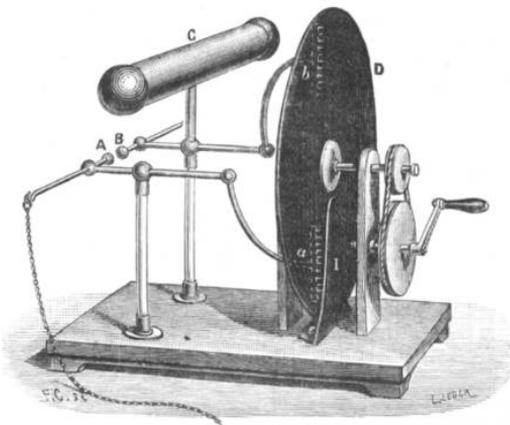


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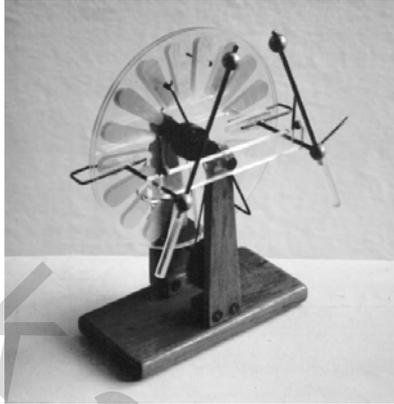


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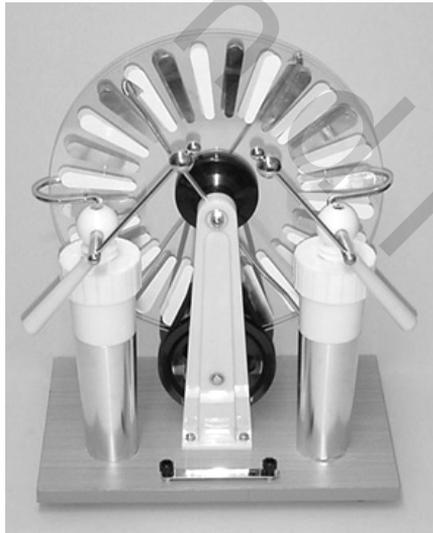




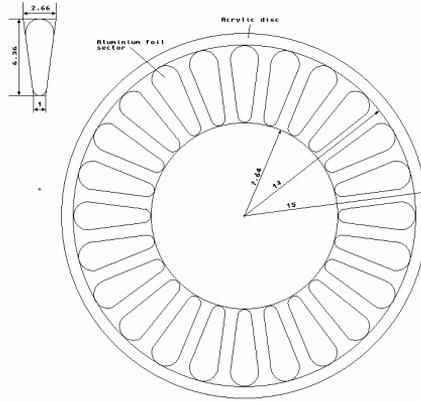
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Wimshurst

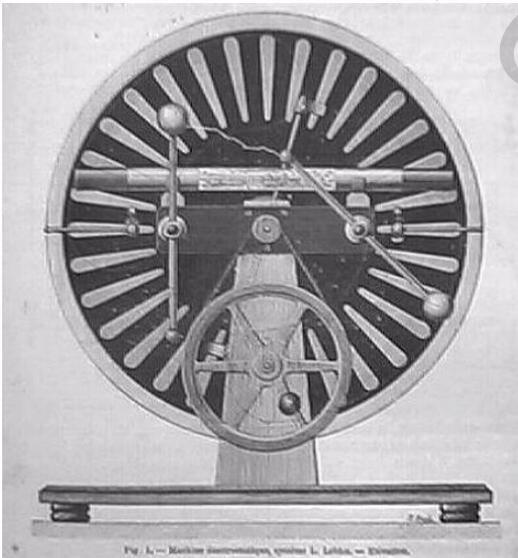


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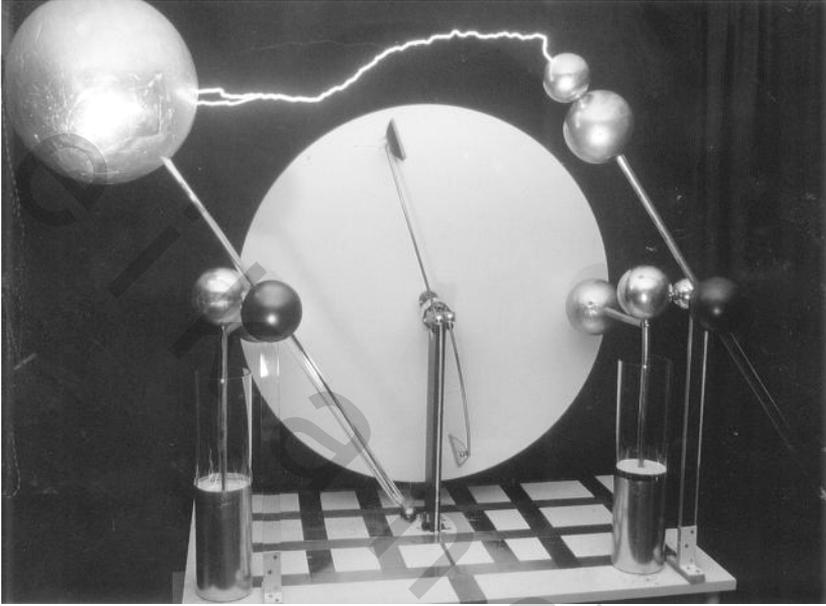
" " Weinhold "

" " M. L. Lebiez "



Lebiez " "

Bonetti " "



Bonetti " "

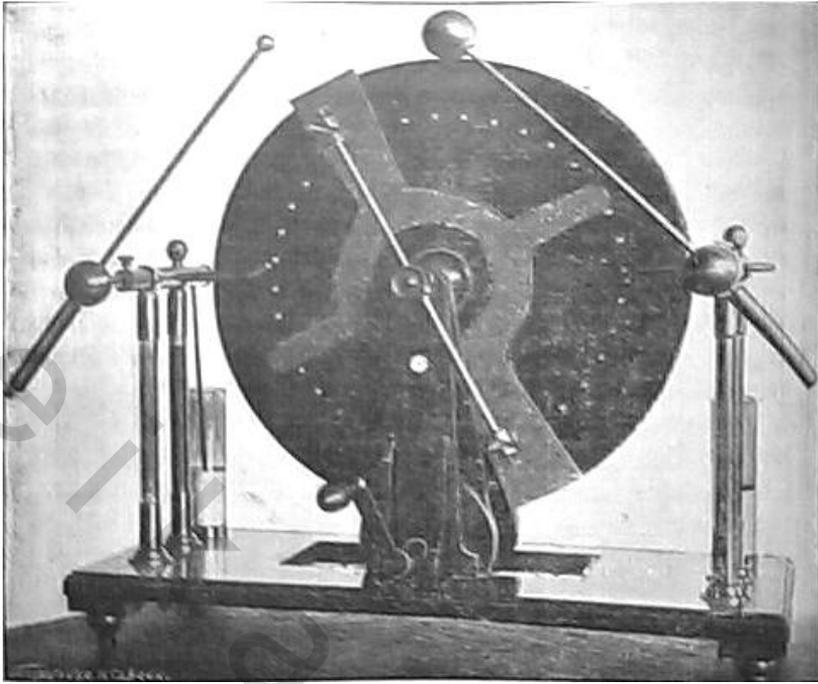
Pidgeon machine " "

) *Philosophical Magazine*

*.Electrical Review* " (

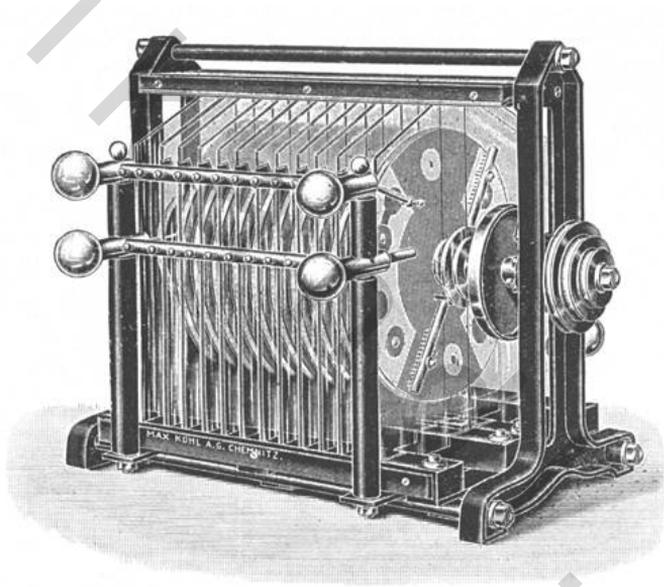
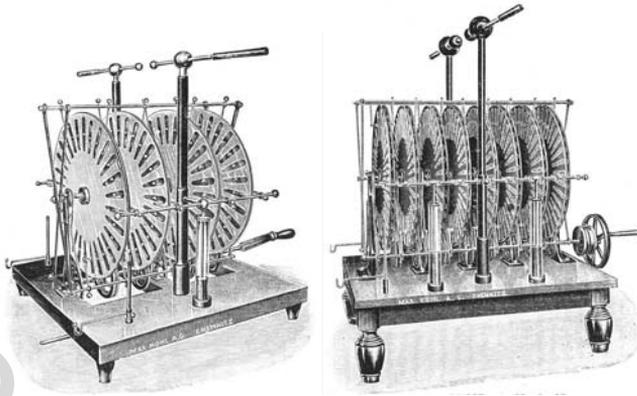
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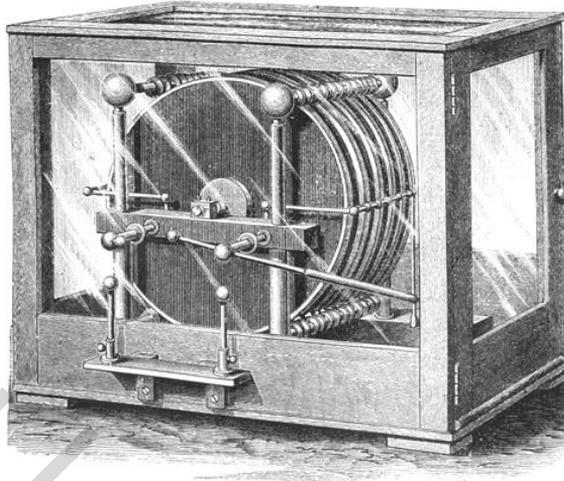


*Pidgeon machine " "*

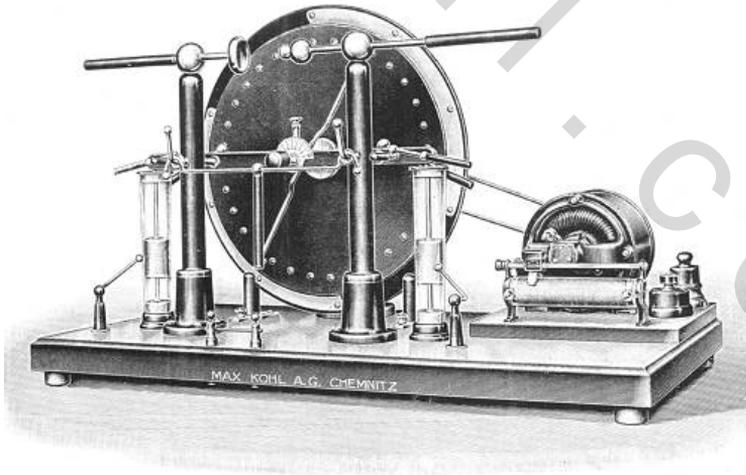
( ) : " "  
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double triplex machines machines



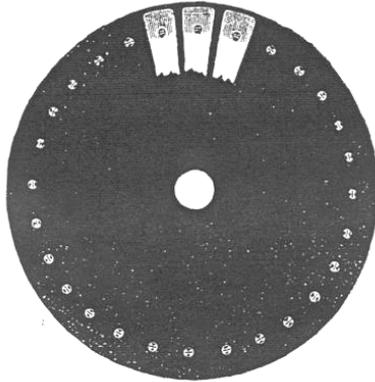
F. Tudsbury "



Alfred Wehrsen " "



" "



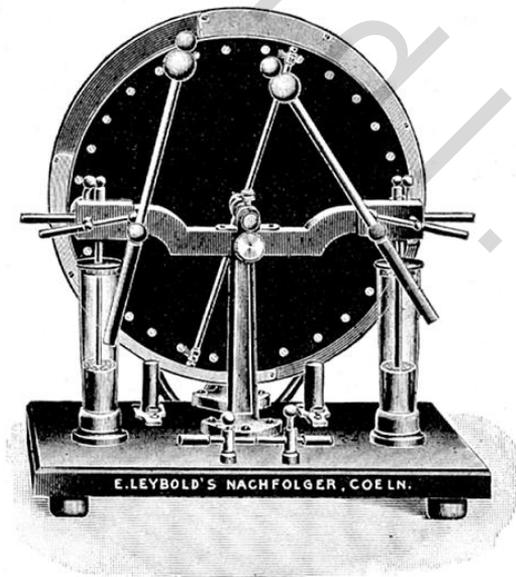
Rotierende Scheibe mit einigen freigelegten Sektoren, um eine Art von Einbettung zu zeigen.

Heinrich Wommelsdorf "

"

" "

.celluloid

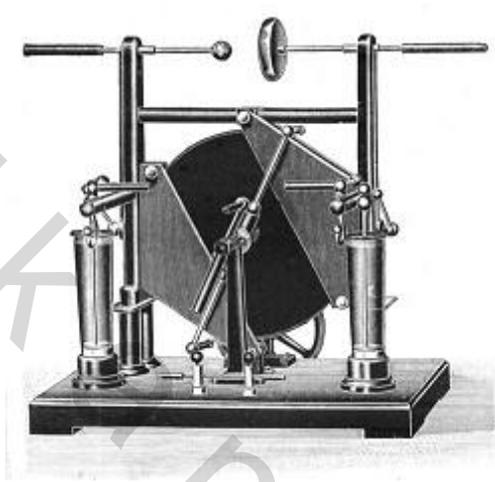


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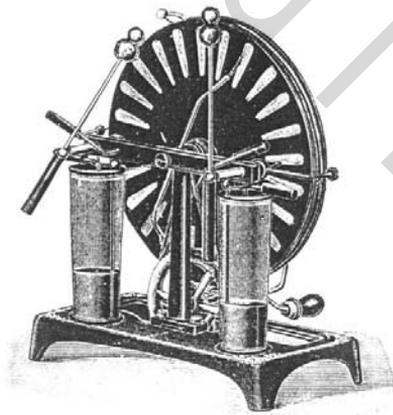
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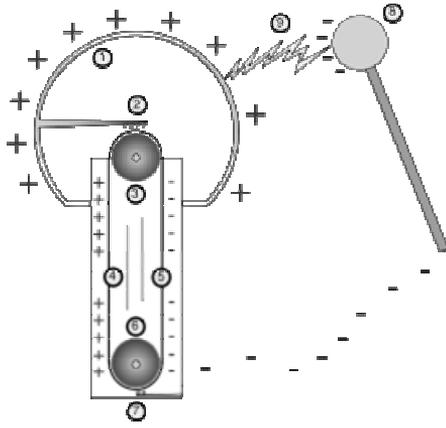
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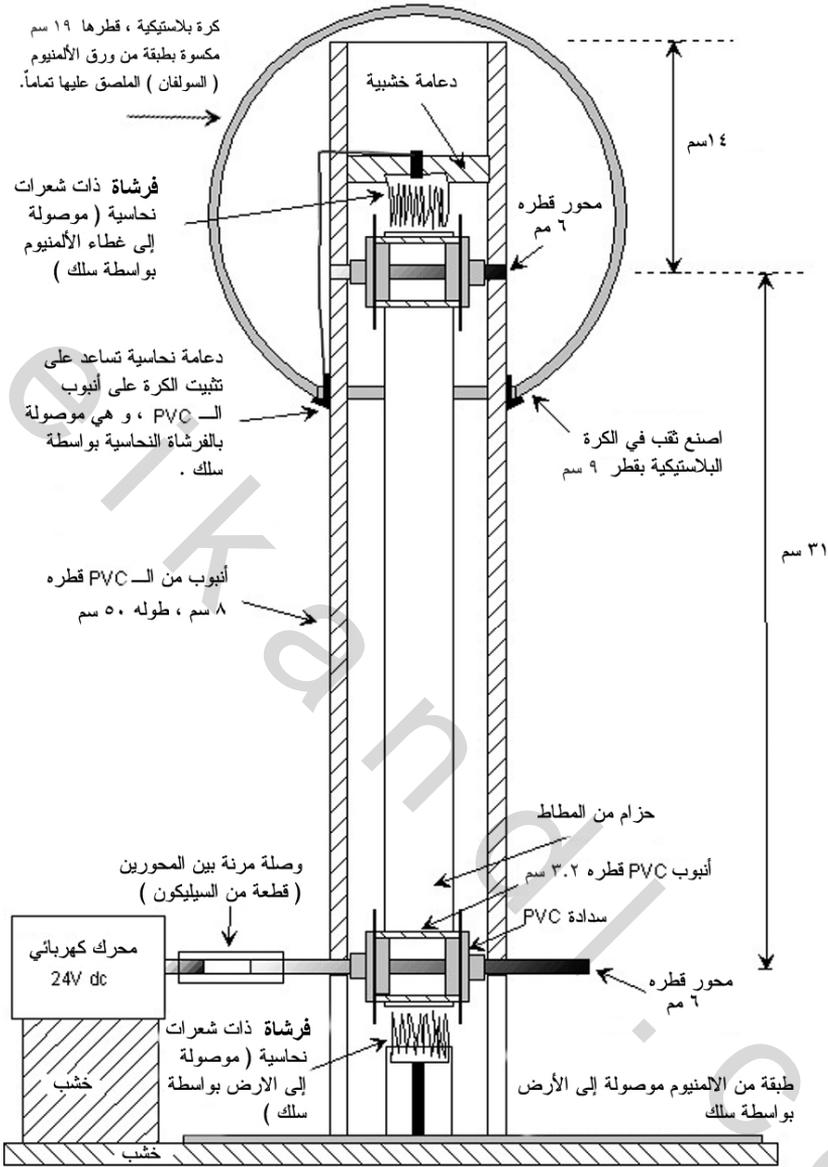
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*Van de Graaff generator*









Wimshurst Electrostatic Machine



influence "

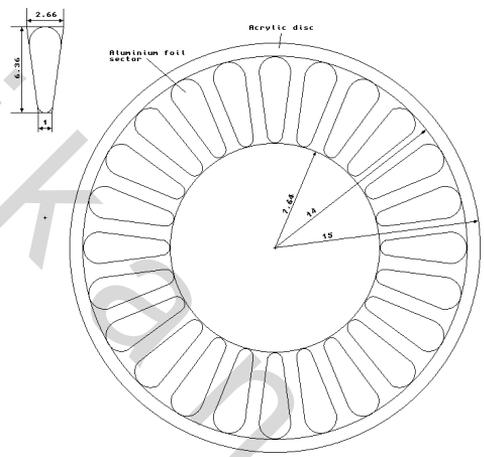
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.machines

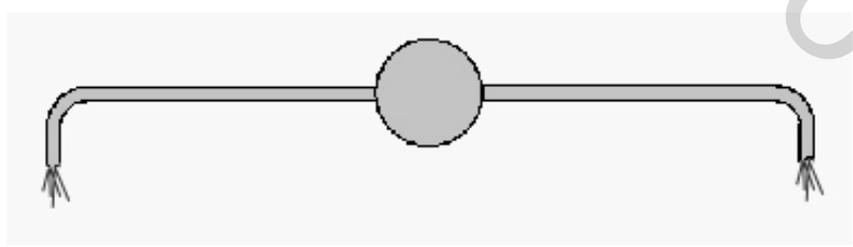
.James Wimshurst "

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neutralizer

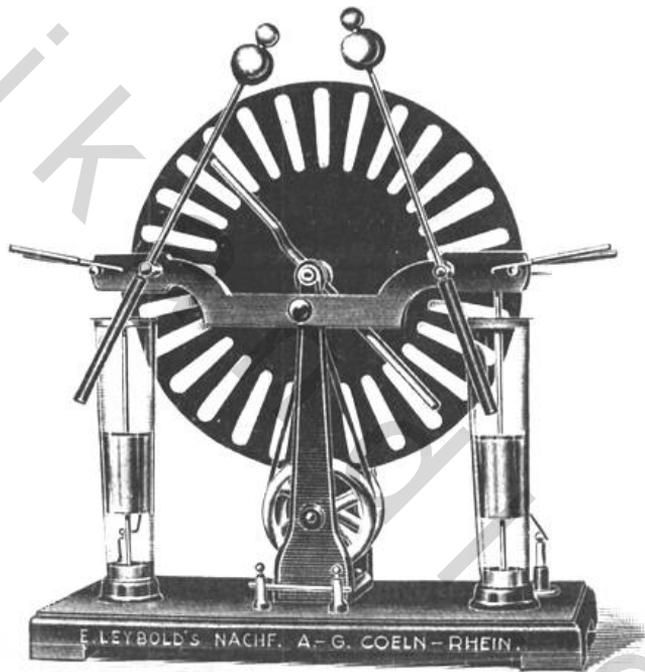


neutralizer

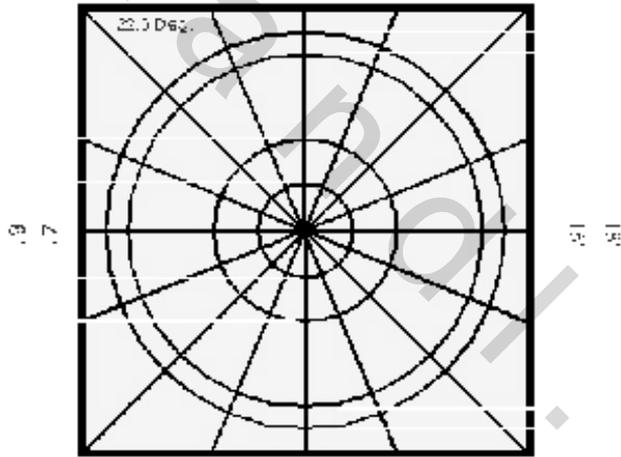


Leyden jars

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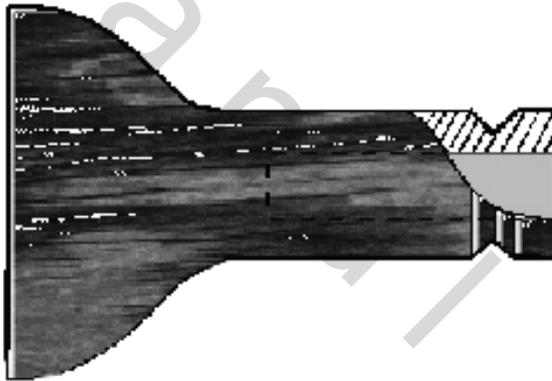


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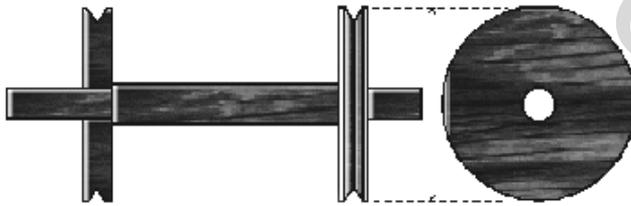
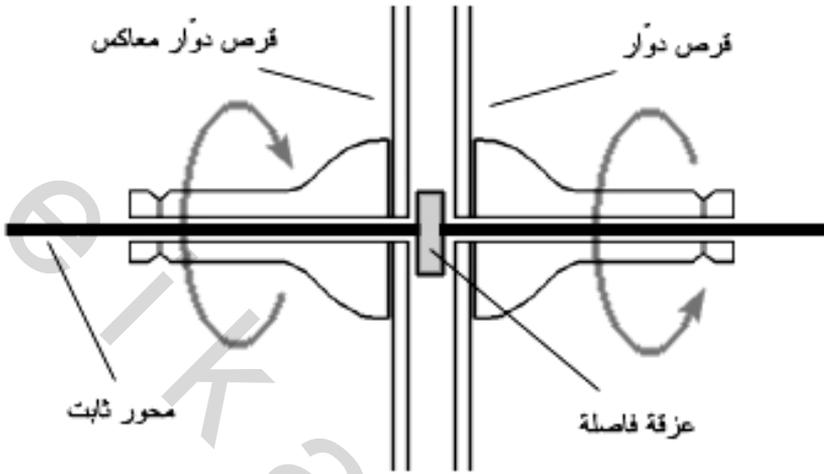
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"bosses "



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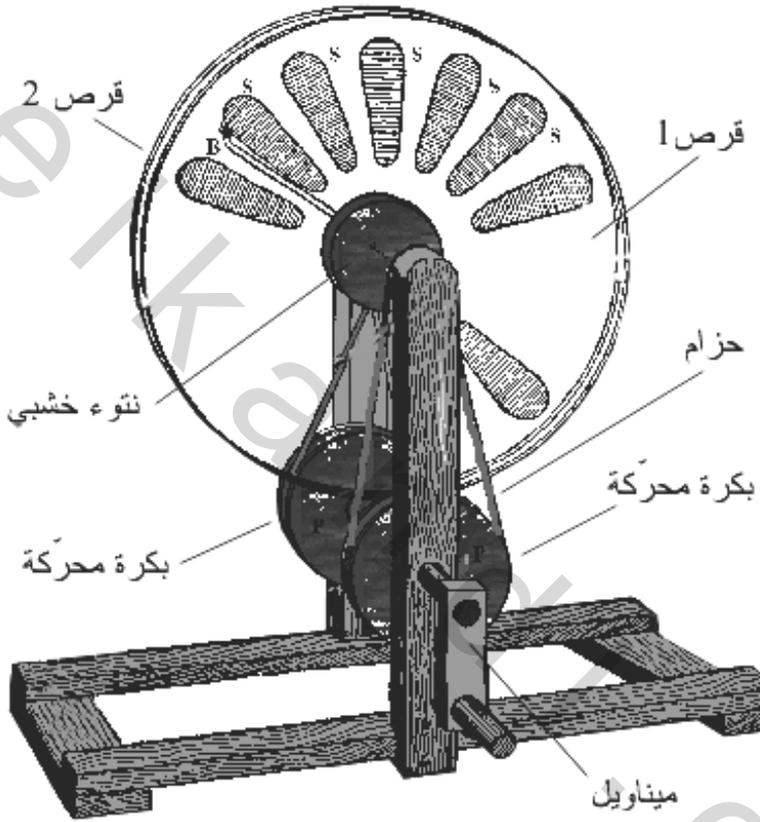
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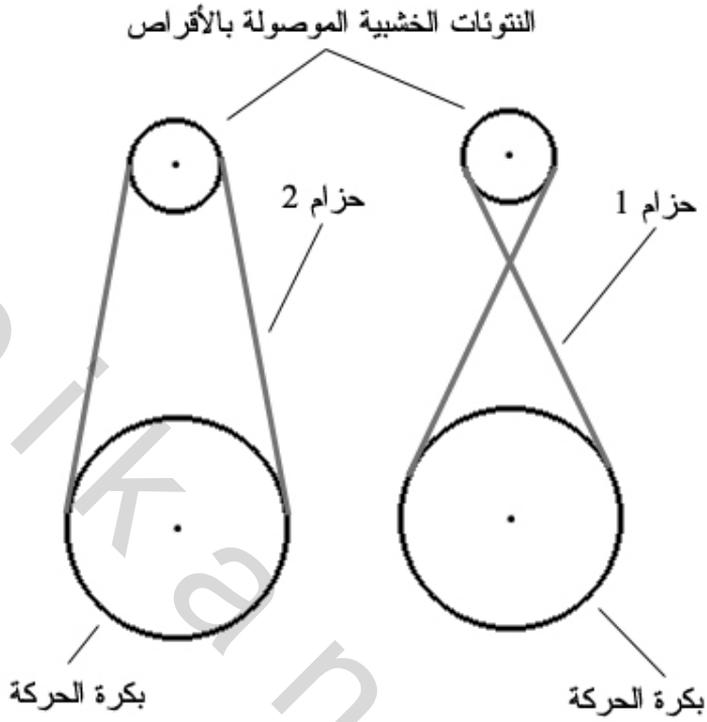


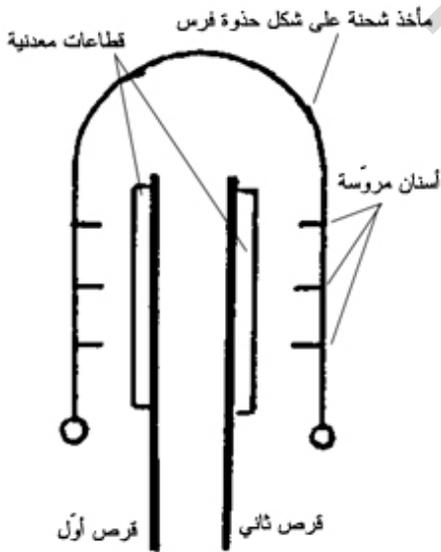
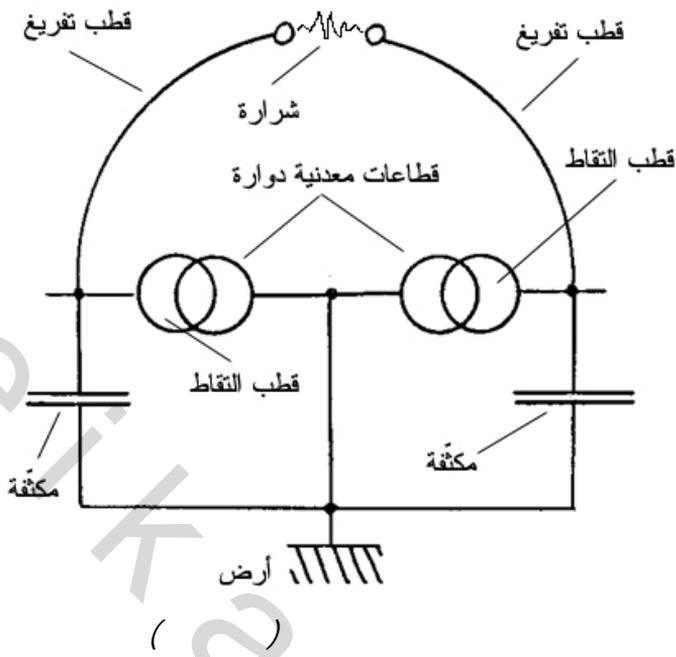
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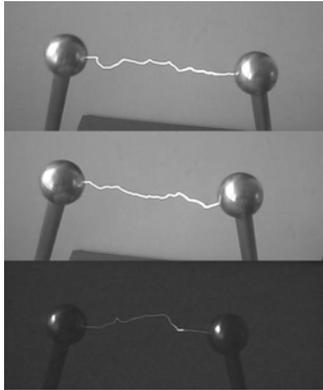
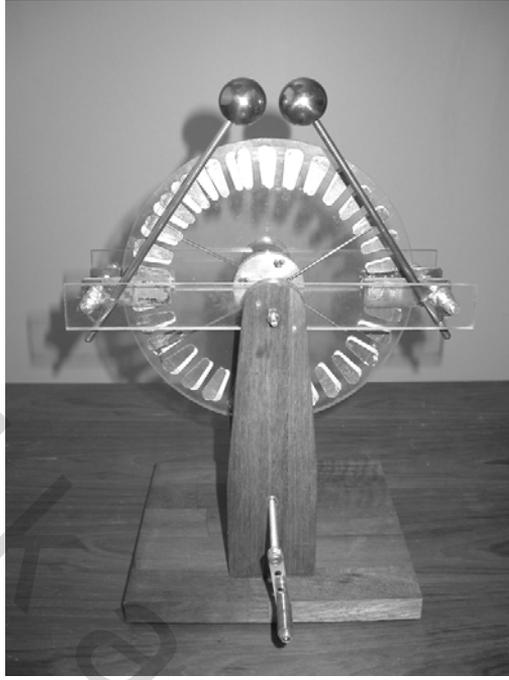
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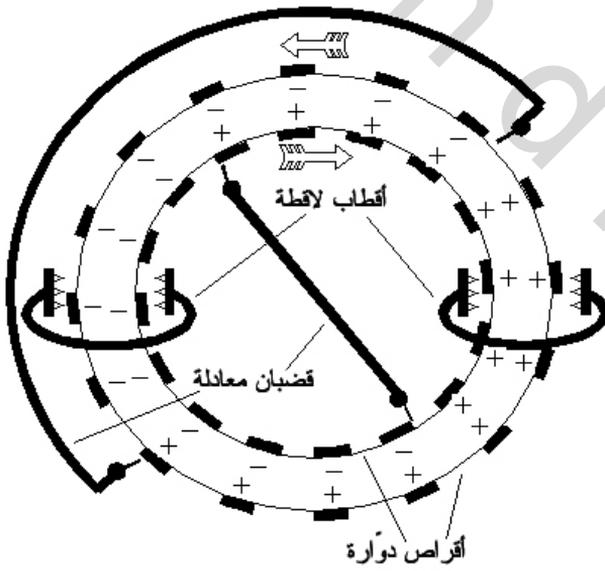
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.Neutralizing Bar

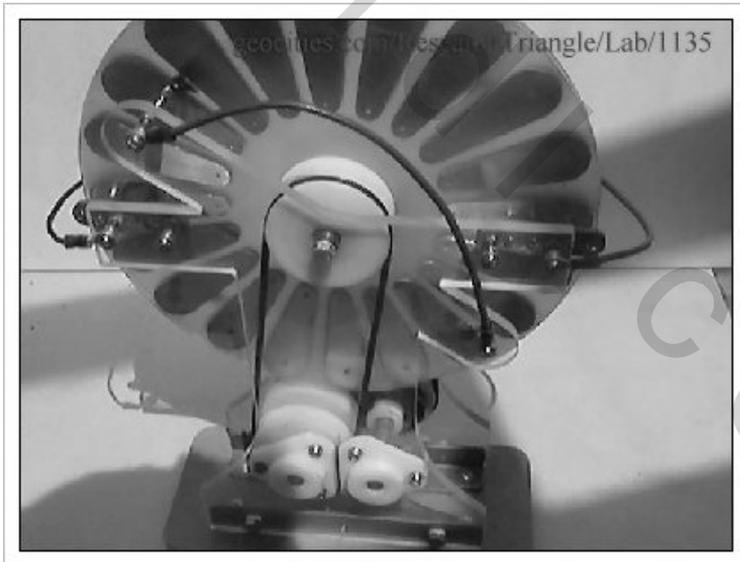
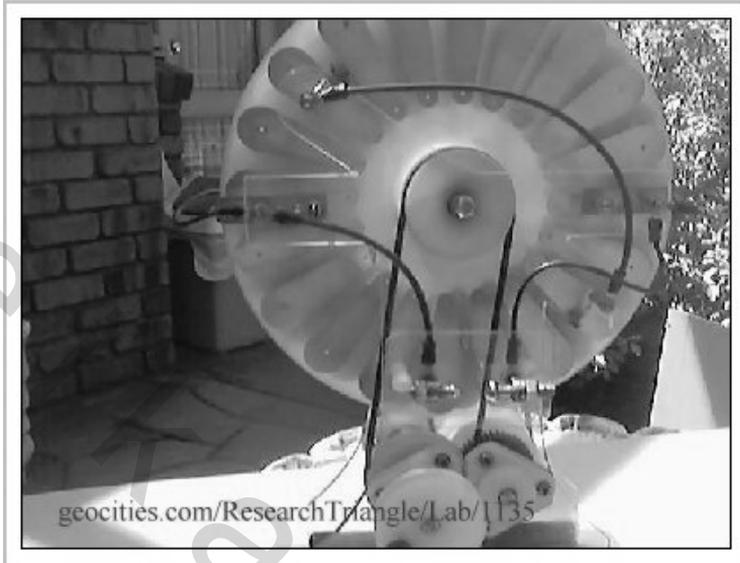
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Sven B.nisch, Schubartstrasse ٦١, D-١٣٥٠٩ Berlin, Germany

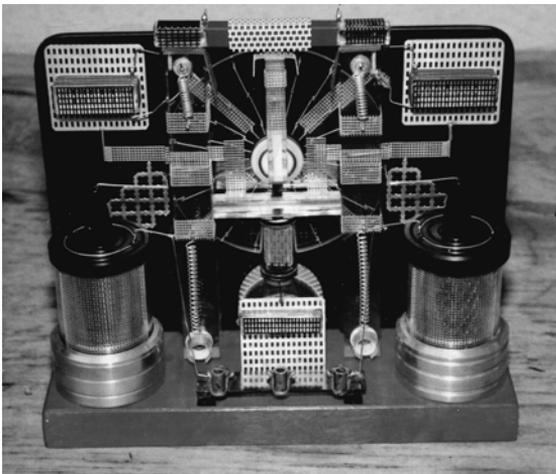
Sven B.nisch " . . . "  
)

" " thestatica " "  
. ( . Paul Bauman

thestatica " "  
. Paul Baumann " "

Thestatica

( )



)

(

Sven B.nisch " . . "

" " ML :

electrostatic discharge :

power transformation free energy device

thestatika transmission line transformer ( )

influence machine wimshust machine

electrostatic ( ) influenzmaschine

overunity spark gap generator

) ml-converter ml .(

( )  
ML

)

(

.( )

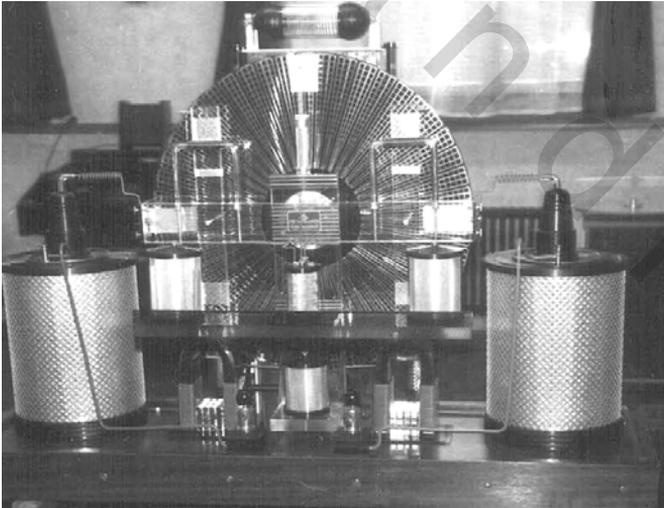
( )

.( [ ] [ ] [ ] [ ] )

voltage

[ ]

. [ ] [ ] [ ]



[ ]

ESD

( )  
( )  
(%)



( ) [ ]

[ ]

[ ]

electrode

)

leyden jar " "

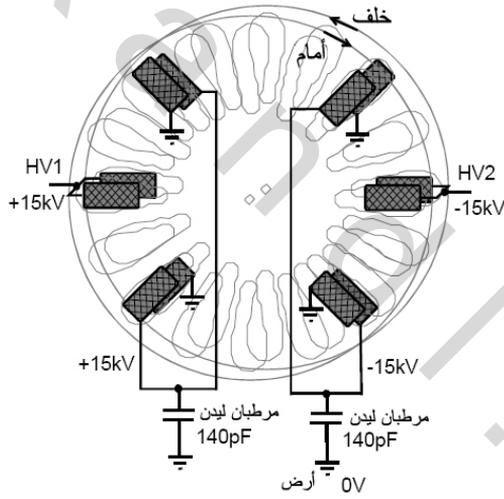
HV<sup>2</sup> HV<sup>1</sup> ( ) .(١٤٠pF

.DC

HV<sup>2</sup> HV<sup>1</sup>

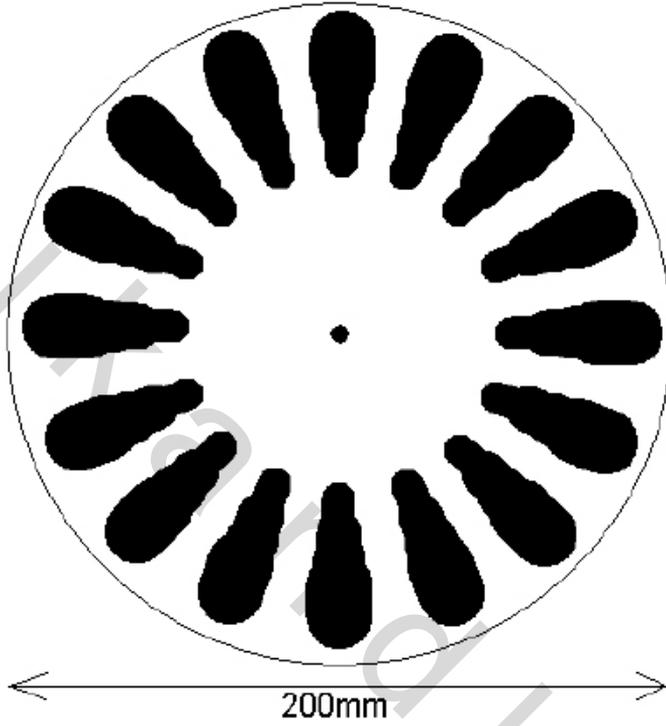
.HV<sup>2</sup> HV<sup>1</sup>

( )



( ) PCB

.(٣٥μm)



(   ×   )  
)

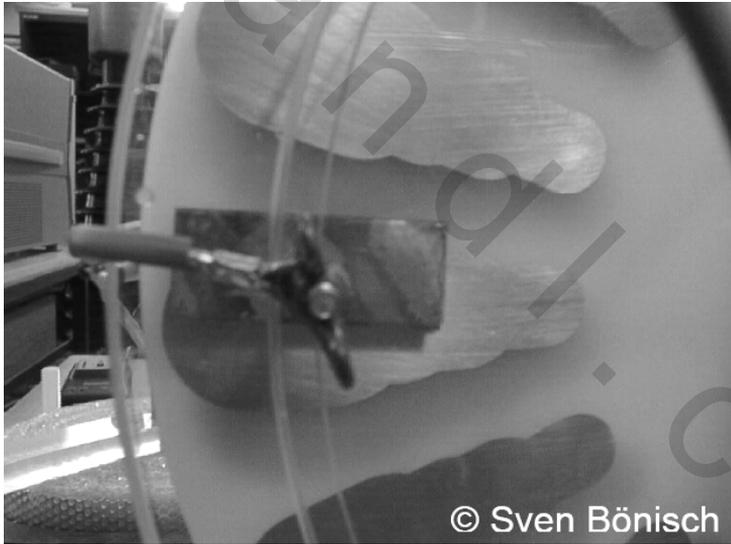
(   )

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(   )



© Sven Bönisch

$HV_2$   $HV_1$



© Sven Bönisch

+1.0kV

" "

( )

%

electrodynamics

(ESD)

high impedance input

.ns- $\mu$ s

(ESD)

(kV-MV )

$(\lambda/4) / \lambda$

.resonator

match

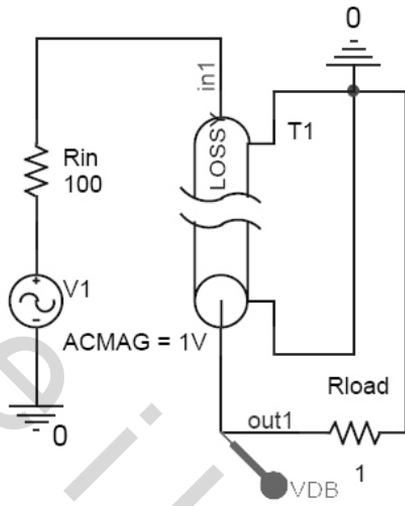
( )

impedance

$\lambda/4$

( )

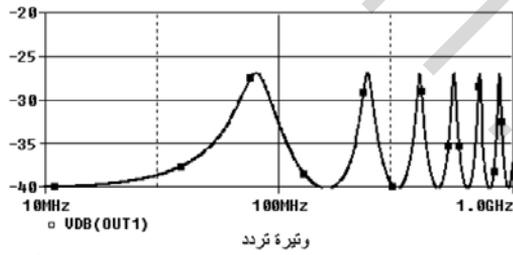
.impedance transformation



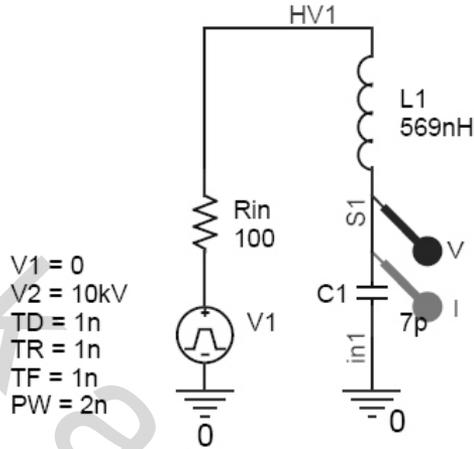
مقاييس خط التوصيل  
Transmission Line

PARAMETERS:  
Z0 = 16  
td = 3.125e-9

( )  $1 \Omega$  ( ) out1 ( ) (dB) decibels  
 ( )  $100 \Omega$  ( )  $50 \Omega$  (td=3,125ns)



ESD



(C/L)

.( )

( $\approx 8 \cdot MHz$ )

.(V)

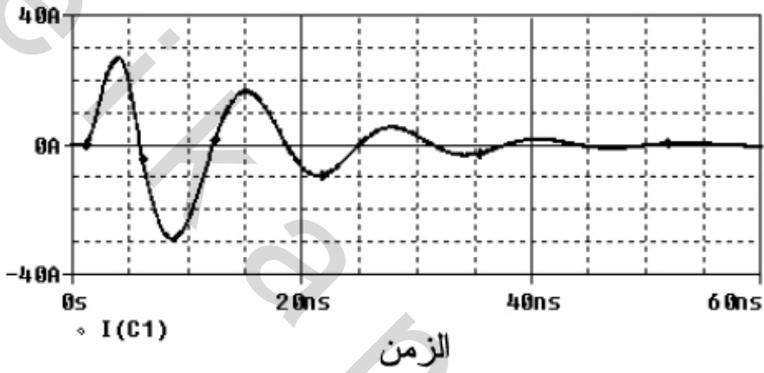
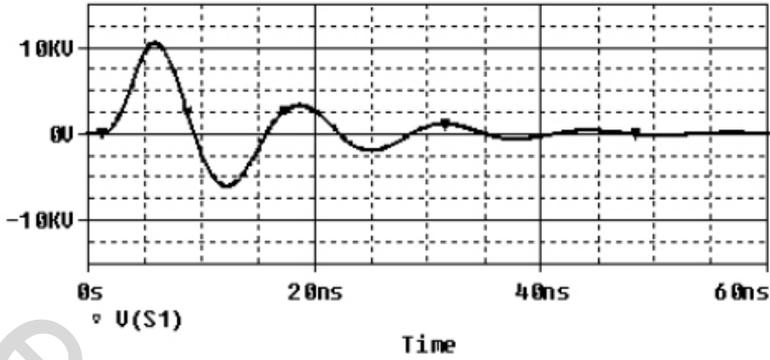
) 30A

( ) 10kV

spark "

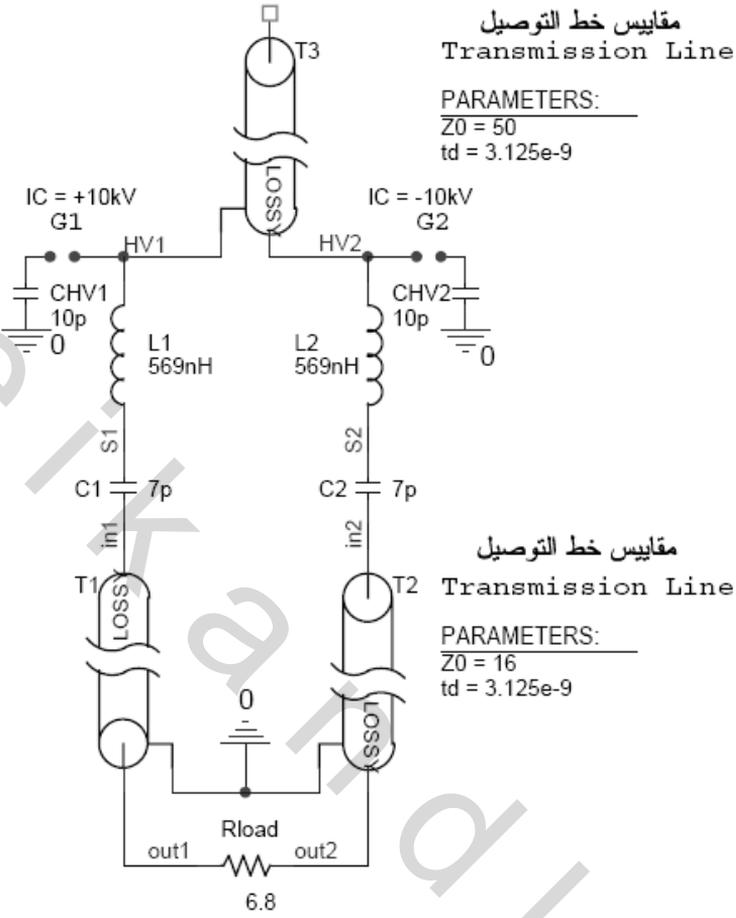
[ ] [ ]

transmitter



[ ]

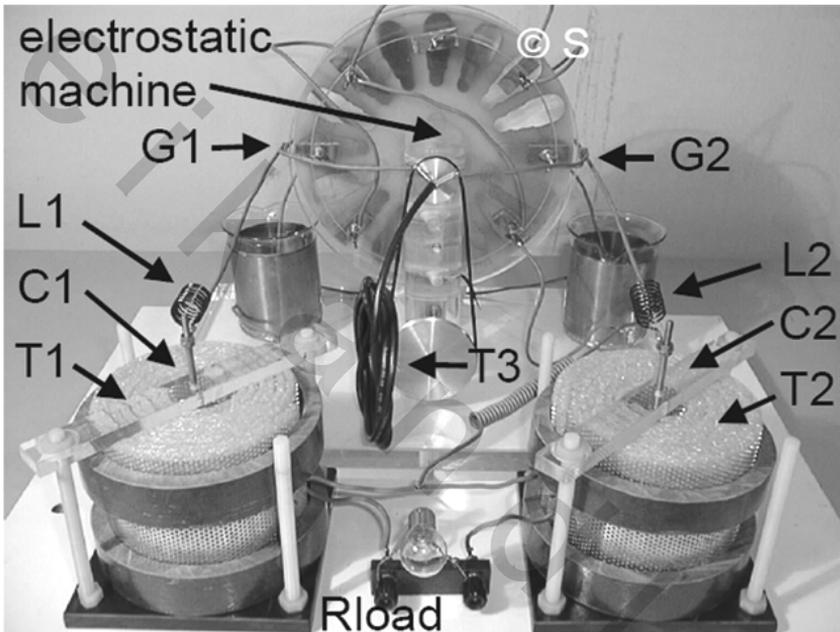
( )



switching elements

$T^3 T^2 T^1$        $C^2/L^2$      $C^1/L^1$   
 $T^3 T^2 T^1$        $G^2$      $G^1$   
 $T^3 T^2 T^1$        $T^3$   
 $C^2/L^2$      $C^1/L^1$   
 . ( $\approx 80$  MHz)

(PSPICE )



١٠-

$G_2$   $G_1$   $CHV_2$  و  $CHV_1$   $20kV$   
 $HV_2$  و  $HV_1$   $> 5kV$   
 $T_3$  ( ) (RG-58 )

$L^1, L^2$

$L^1, HV^2$

$L^1, HV^1$

.air coils

: $L^1, L^2$

, :  
:  
:

$S^1, S^2$

. $C^1, C^2$

) $T^1, T^2$

.(

. $C^1, C^2$

:( )

:( )

:( )

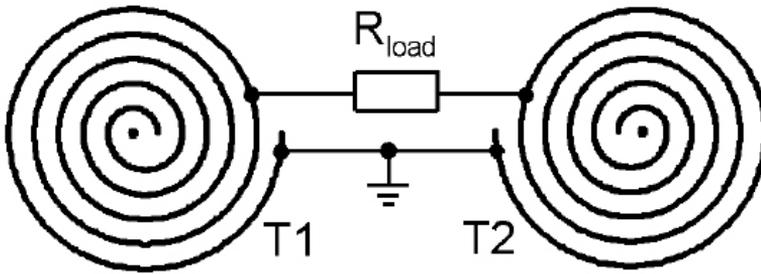
$T^1, T^2$

.( )

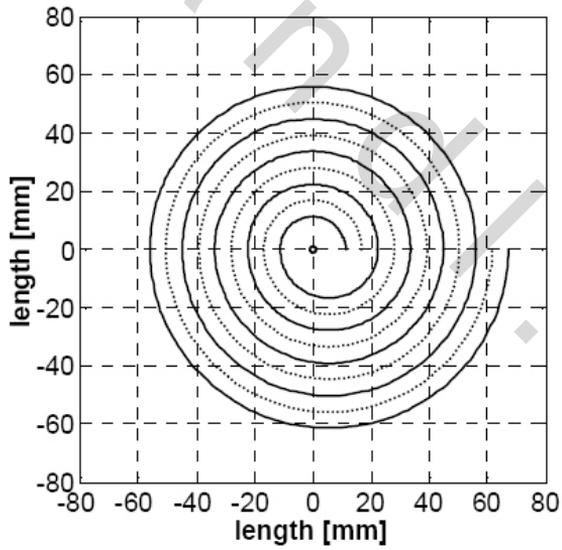
.127 / 21W

.load

.PVC



$(S^1, S^2)$



( )

. $80\text{MHz}$

parallel plate transmission line

$\Omega$

$10\text{kV}$

( )

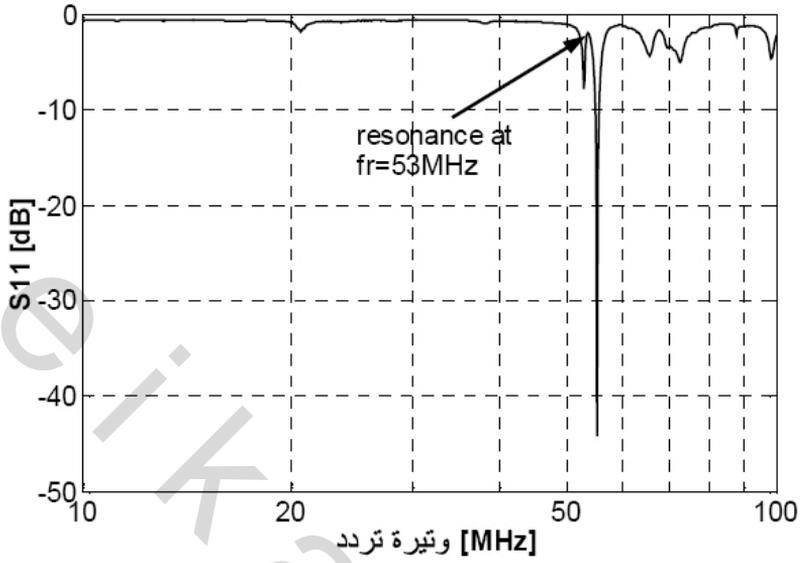
.partial discharges

.RF

(HV<sup>1</sup>, HV<sup>2</sup>)

$\Omega$





.

$(C^2/L^2 \ C^1/L^1)$

$T^1,$

$L^2/C^2 \text{ و } L^1/C^1$

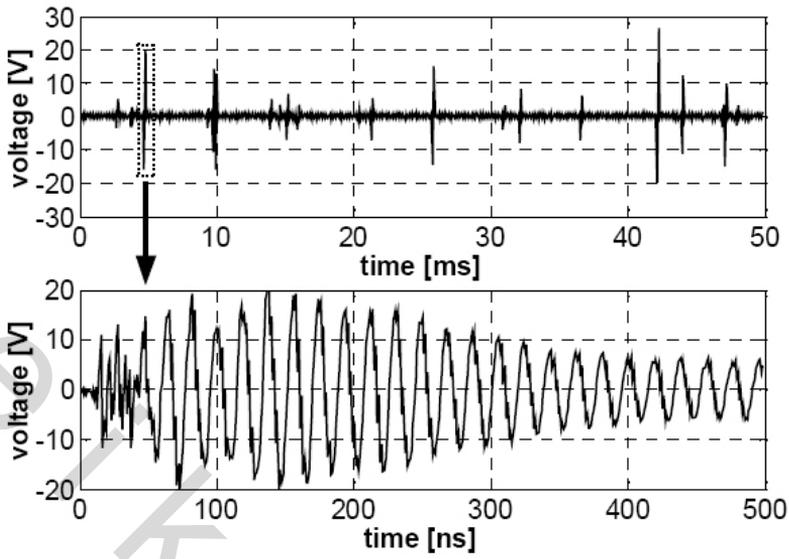
$( \approx 53 \text{ MHz})$

$( S_{11} = 0 ) T^1, T^2$

$S_{11} \rightarrow \infty ) T^3$

$53 \text{ MHz} \quad 80 \text{ MHz}$

$T^2$



.) (30 kV

.) 100-400 Hz

.) 10 mW

.) 10 mW

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[١١] H. Wommelsdorf: "Ein neues allgemeines Polarisationsystem der Influenzmaschinen", Physikalische Zeitschrift, ٦. Jahrgang, No. ٦, ١٥. M.rz ١٩٠٥, pp. ١٧٧-١٨٦

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***The Cosmic Pulse of Life*** by Trevor James Constable, BSRF, Garberville, California, ١٩٩١

***Warmth Course*** by Rudolf Sterner, Mercury Press, Spring Valley, New York

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***The Vril Compendium*** by Gerry Vassilatos, Vols I-VII released ١٩٩٣, BSRF, Garberville, California

***Loom of the Future*** - *The Weather Engineering Work of Trevor James Constable* (an interview book/ photo album soon to be released), BSRF, Garberville, California, ١٩٩٤

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***THE FINAL SECRET OF FREE ENERGY***: T. E. Bearden. Tom Bearden Website.

***On the Principles of Permissible Overunity EM Power Systems***: T. E. Bearden. Tom Bearden Website.

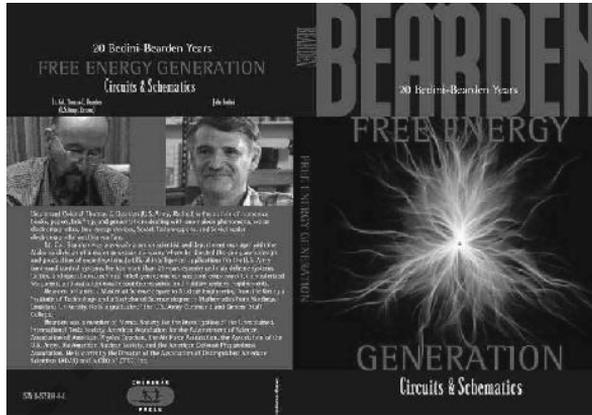
***Taming the Fierce Energy of the Vacuum***: T. E. Bearden. Tom Bearden

***Wikipedia, the free encyclopedia***: <http://en.wikipedia.org>

***Static Electricity***: <http://amasci.com>

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**Free Energy Generation, book by Tom Bearden**

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