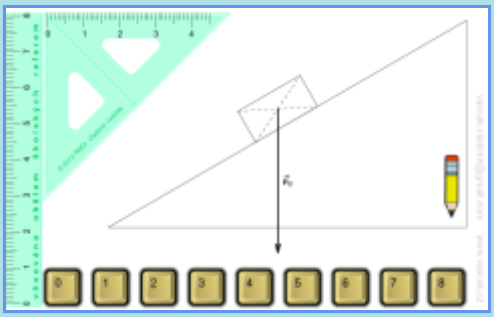
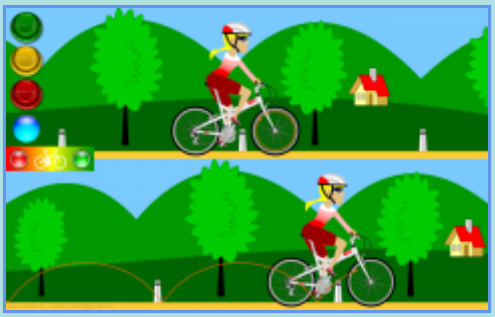
Fysica op school

Mechanica

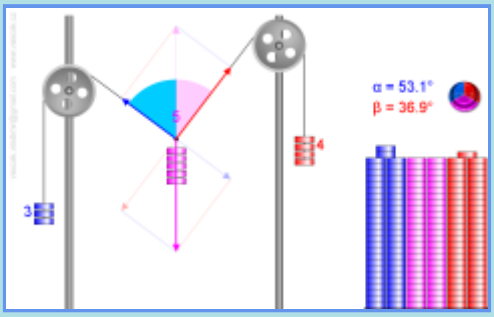
Hellend vlak



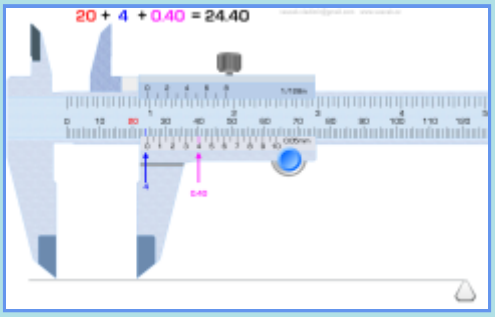
Referentiekader



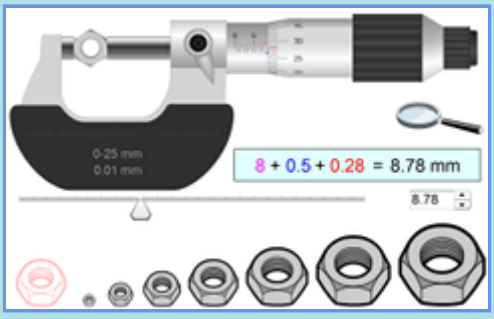
Parallellogram van kracht...



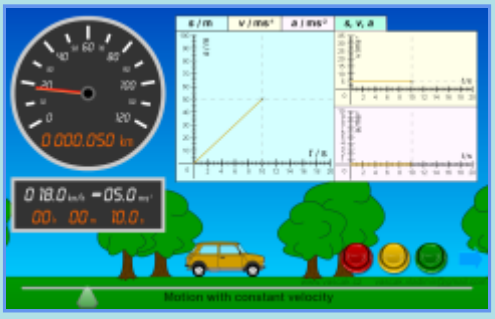
Schuifmaat



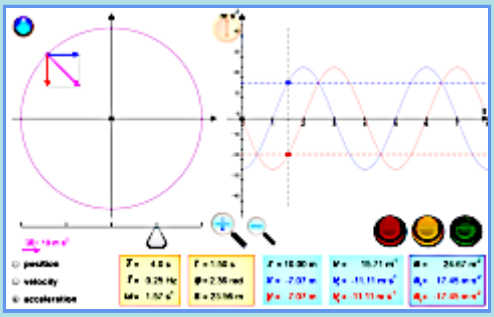
Micrometer



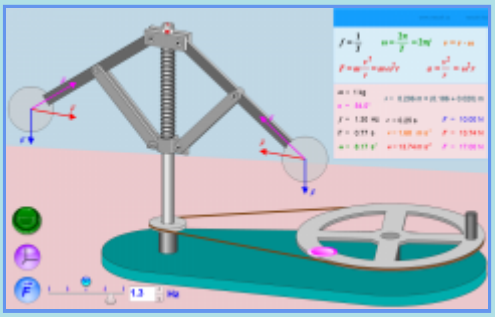
Beweging



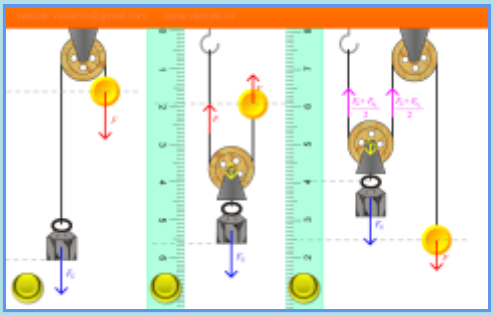
Cirkelbeweging met consta...



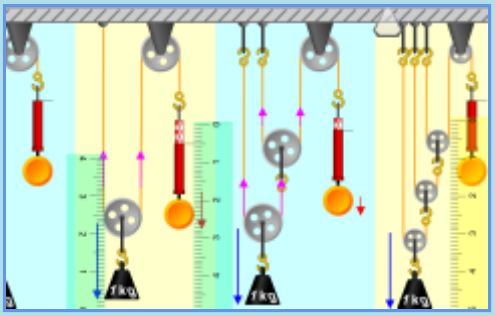
Centrifugaalregelaar



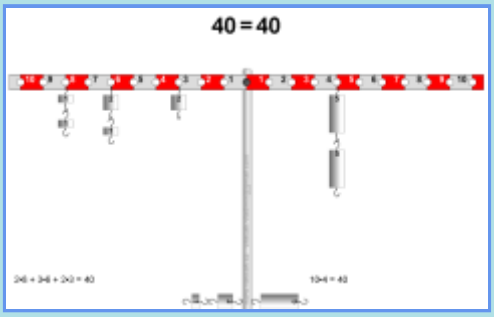
Vaste en losse katrol



Katrollen



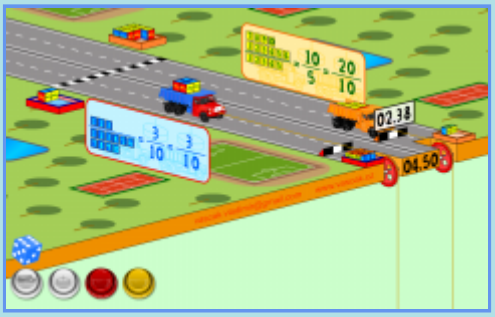
Hefboom principe



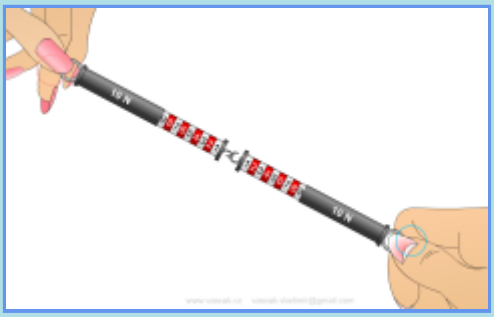
De eerste wet van Newton

De tweede wet van Newton

De tweede wet van Newton



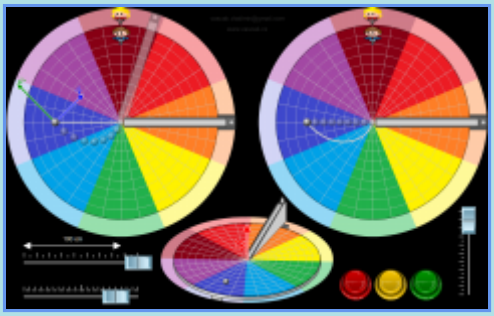
De derde wet van Newton



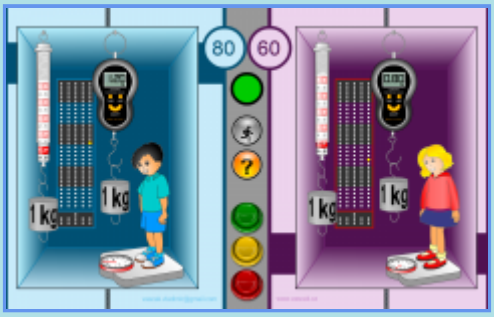
Schijnkracht

Middelpuntvliedende krach...

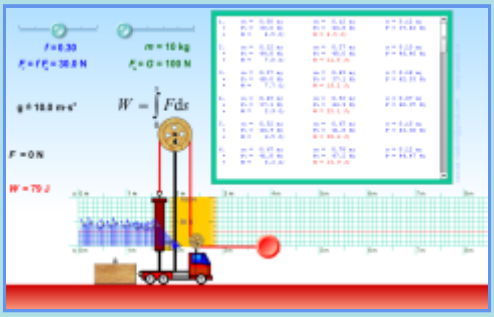
Corioliseffect



Lift

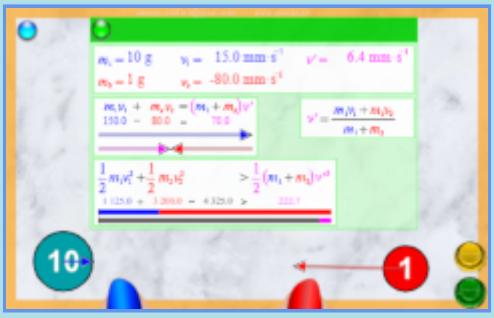


Arbeid

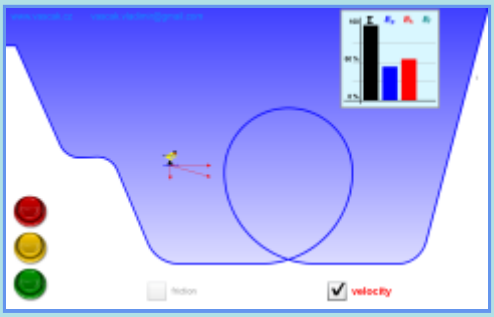


Elastische botsing

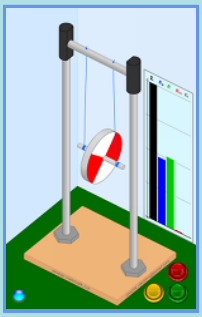
Onelastische botsing



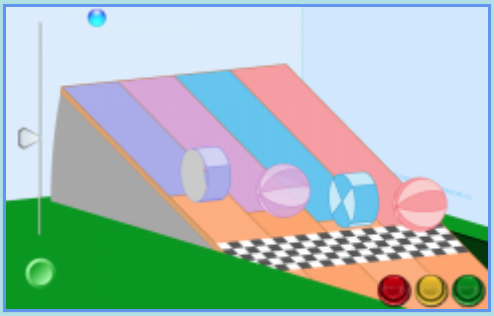
Wet van behoud van energi...



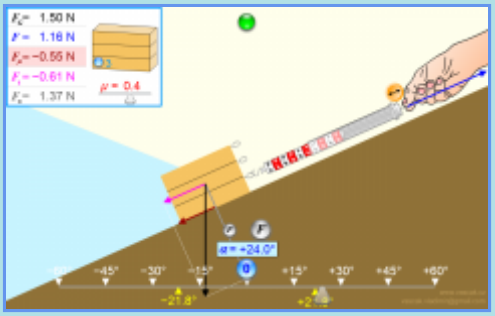
Wiel van Maxwell



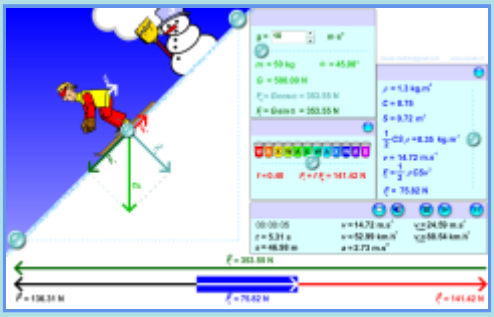
Traagheidsmoment



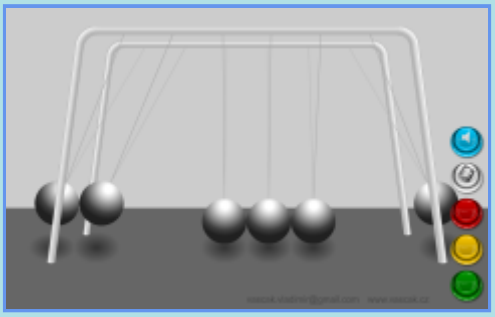
Wrijving



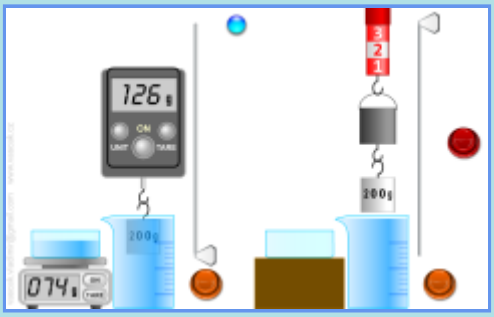
Weerstand en wrijving



Newtonpendel

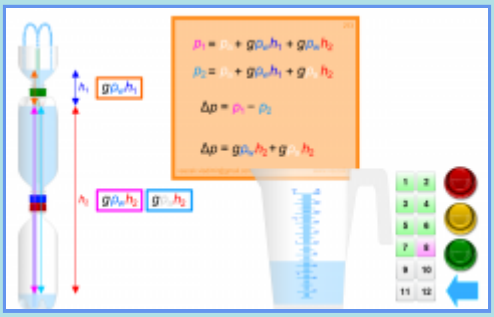


Wet van Archimedes

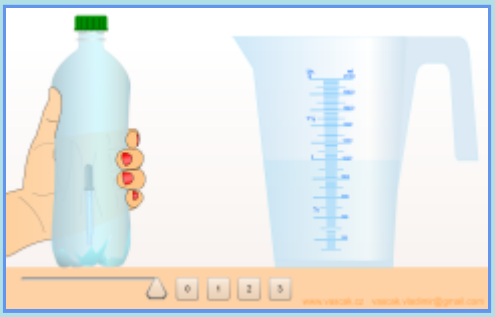


Vloeistofdruk

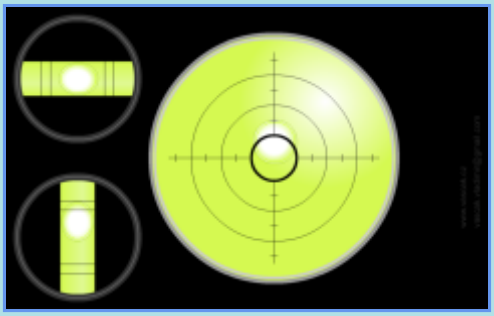
Herons fontein



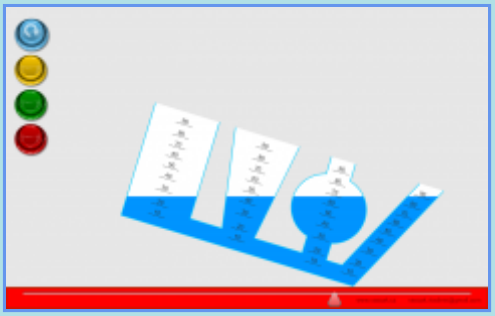
Cartesische duiker



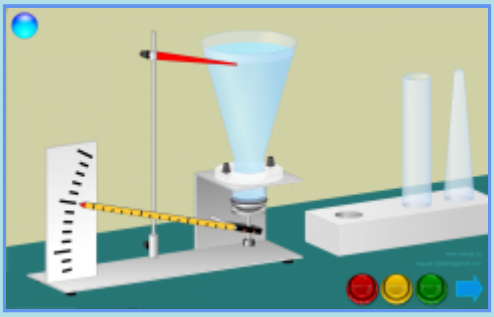
Waterpas



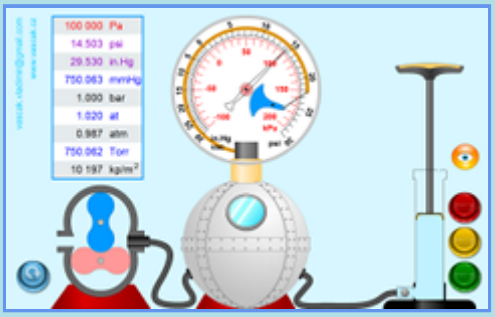
Wet van de communicerende...



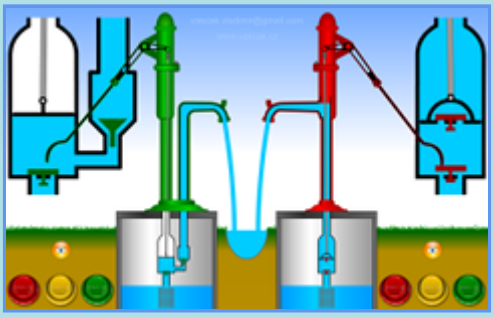
Hydrostatische paradox



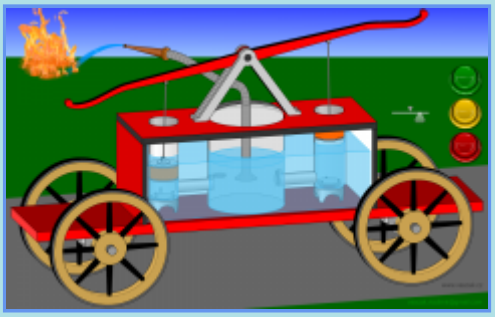
Druk



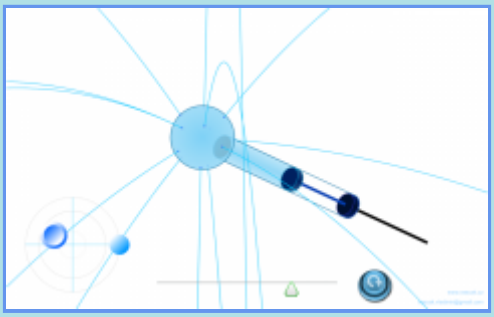
Pomp



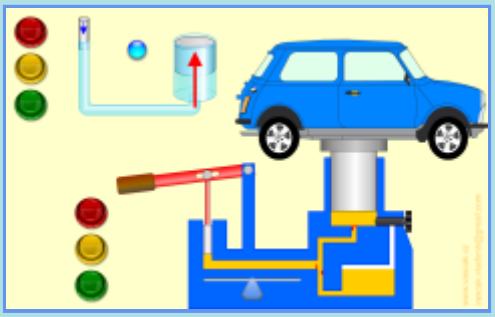
Ktesibios - brandweerwage...



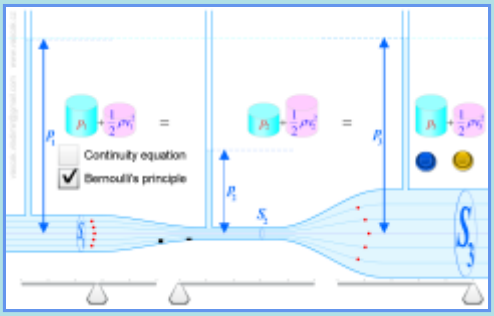
Wet van Pascal



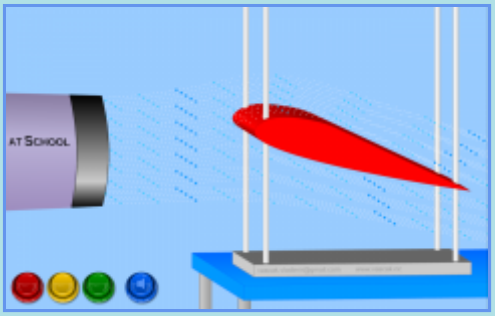
Hydraulische lifter



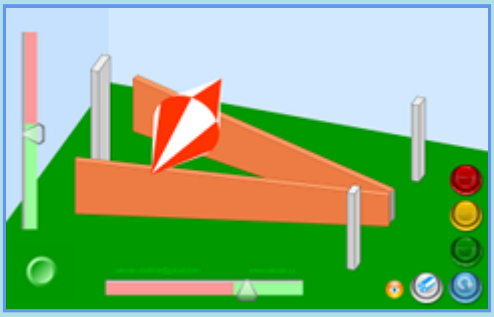
Wet van Bernoulli



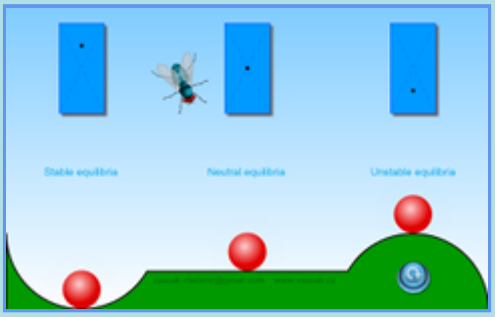
Liftkracht



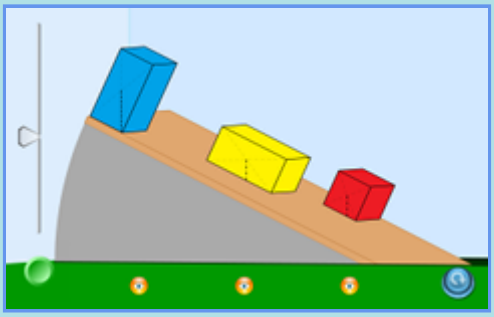
Zwaartepunt



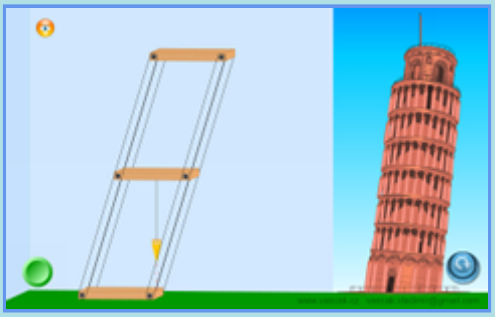
Mechanisch evenwicht 1



Mechanisch evenwicht 2

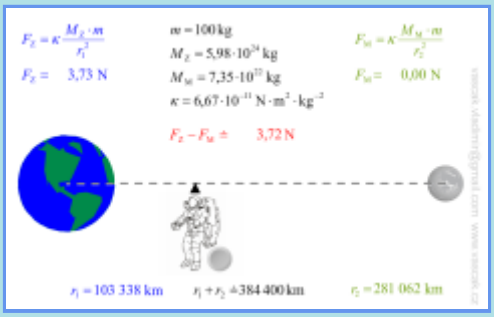


Mechanisch evenwicht 3

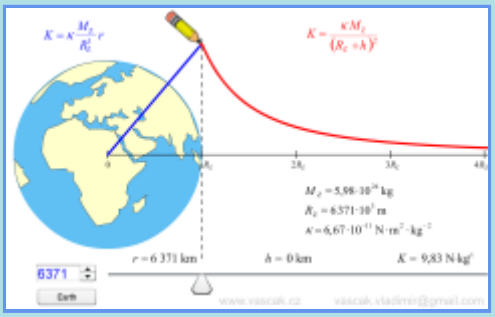


Zwaartekrachtveld

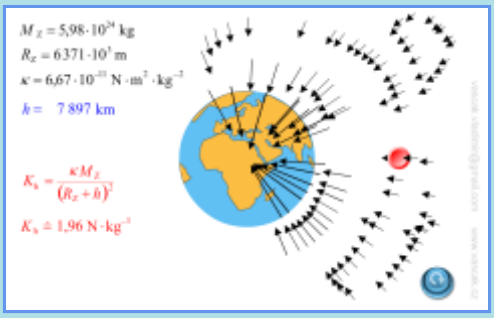
Gravitatiewet van Newton



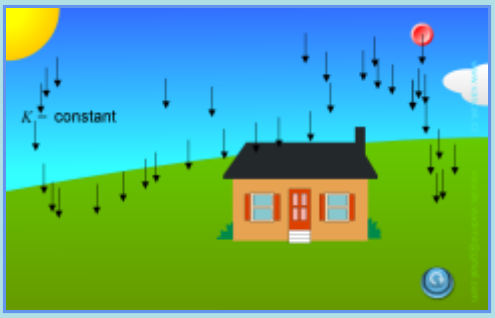
Gravitationele veldsterkt...



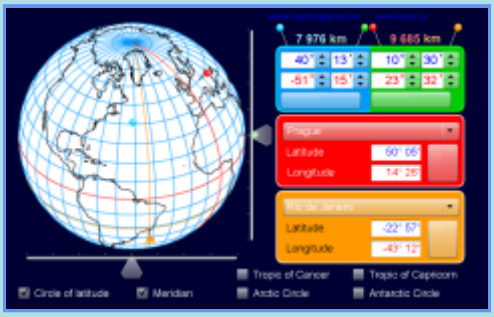
Zwaartekrachtsveld



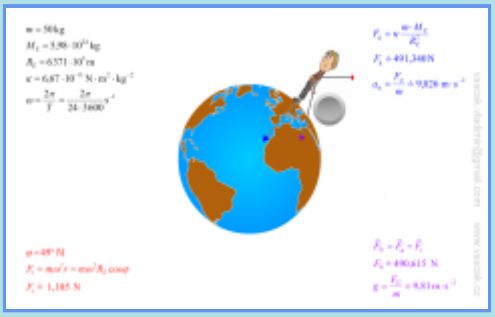
Valversnelling



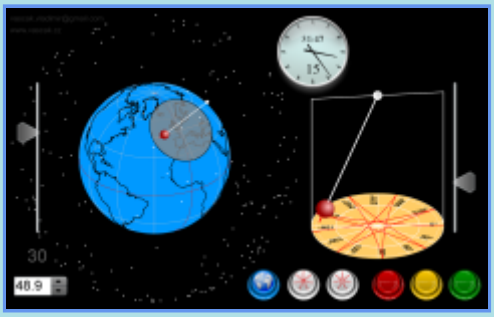
Geografische coördinaten



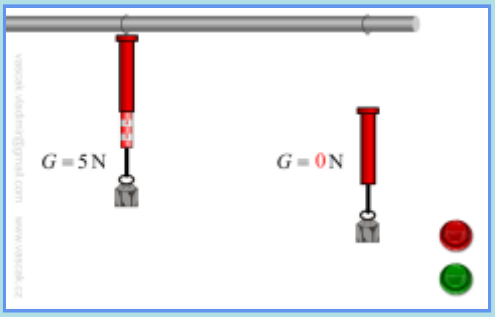
Zwaartekrachtversnelling



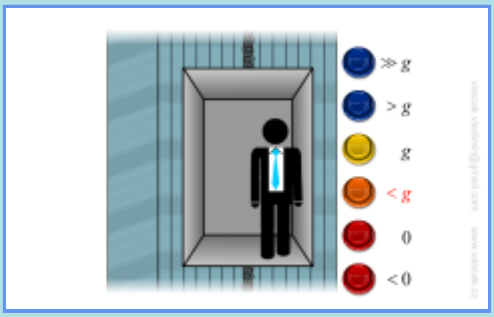
Slinger van Foucault



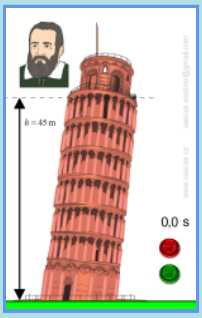
Gewichtloosheid



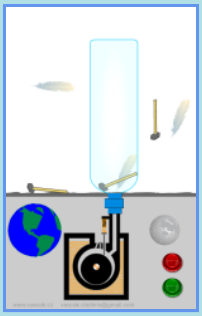
Super lift



Vrije val

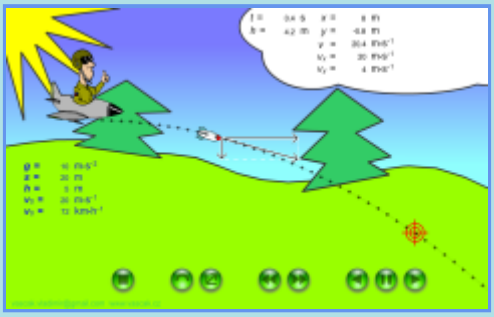


Buis van Newton

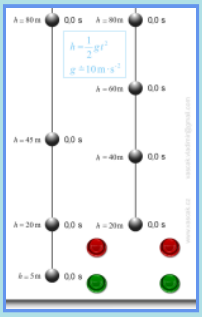


Samenstelling van bewegin…

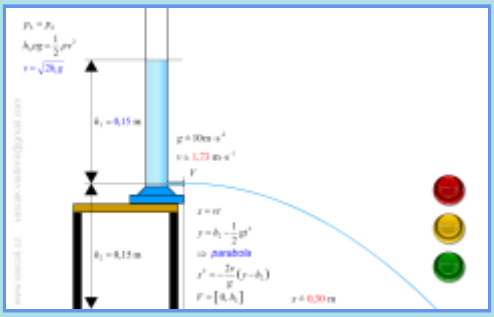
Horizontale worp



Vrije val experiment

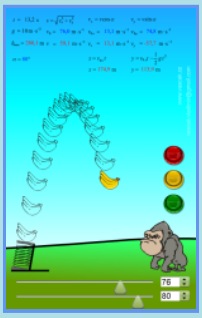


Vrije uitstroming uit een…

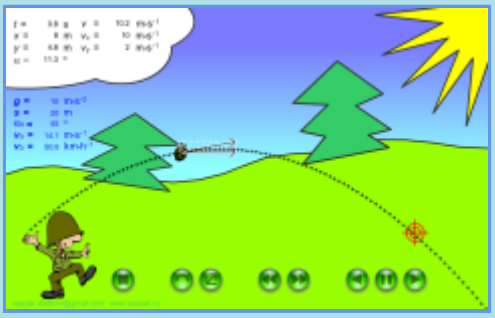


Verticale worp

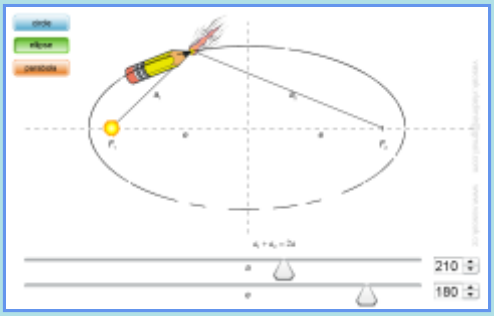
Projectielbeweging



Projectielbeweging - hand...



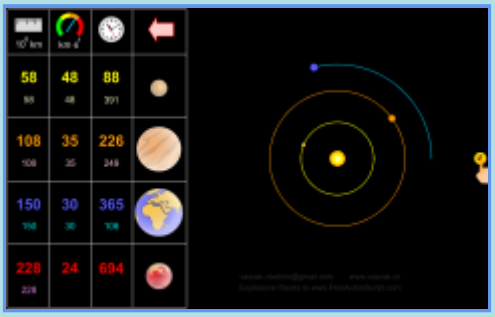
Baan van hemellichamen



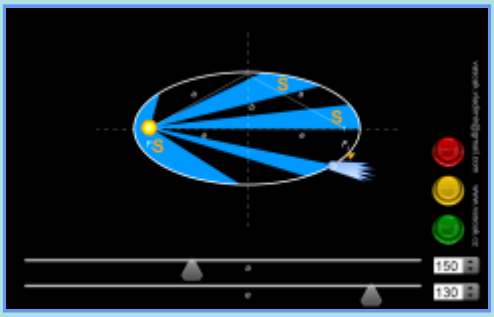
Newton's kanon

Geostationaire satelliet

Eerste wet van Kepler



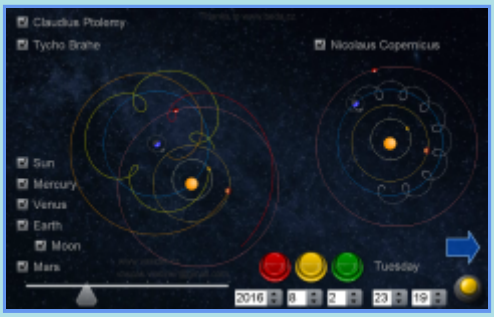
Tweede wet van Kepler



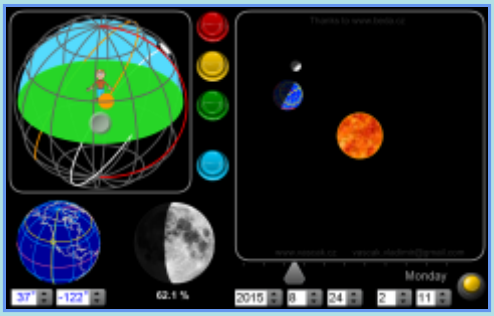
Derde wet van Kepler - bi...

Derde wet van Kepler - bu...

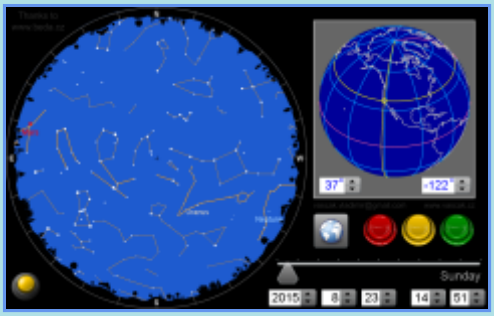
Zonnestelsel



Schijngestalten

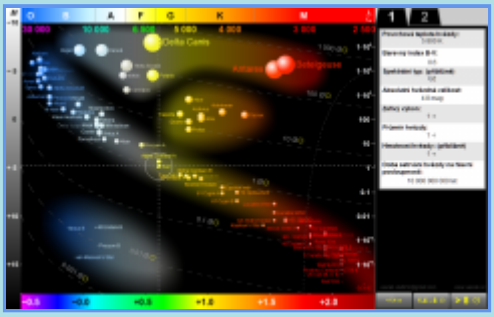


Sterrenbeeld



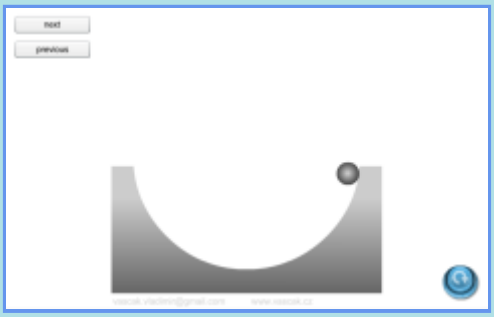
Wetten van Kepler

Hertzsprung-Russelldiagra...

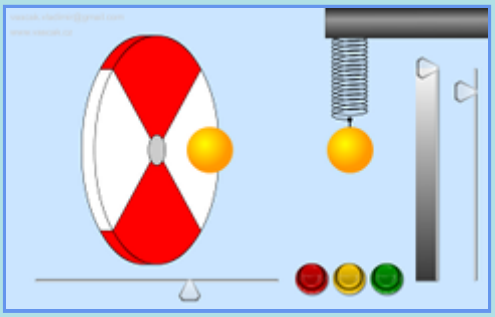


Trillingen en golven

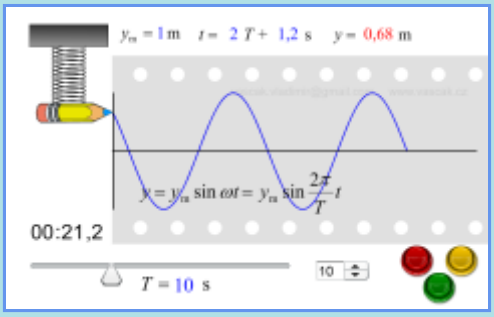
Oscillatoren



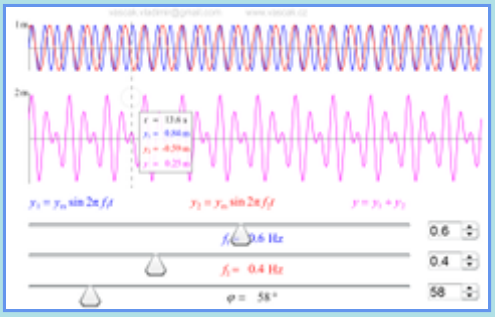
Cirkelbeweging



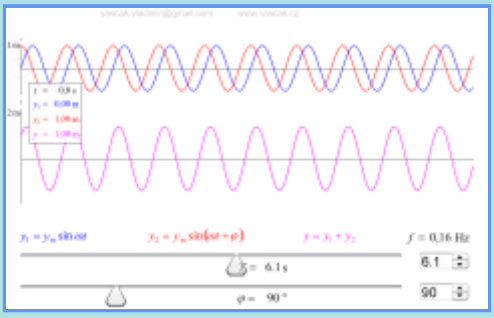
Trilling



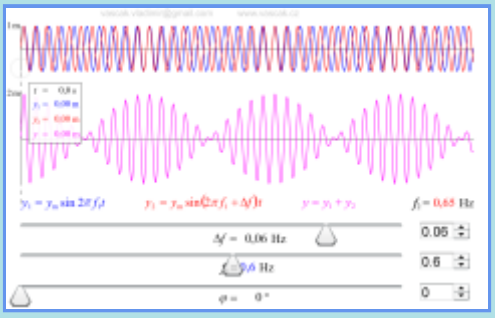
Superpositie



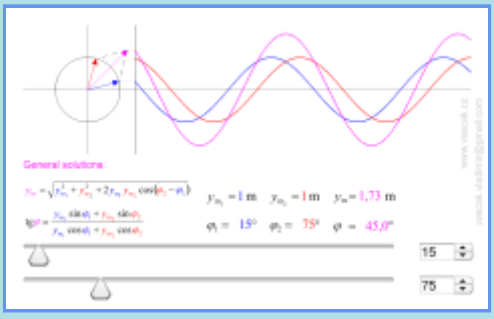
Superpositie f1 = f2



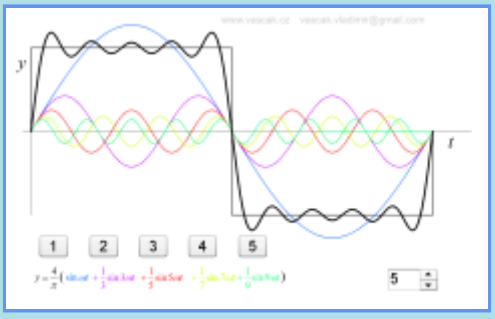
Superpositie f1 ≈ f2



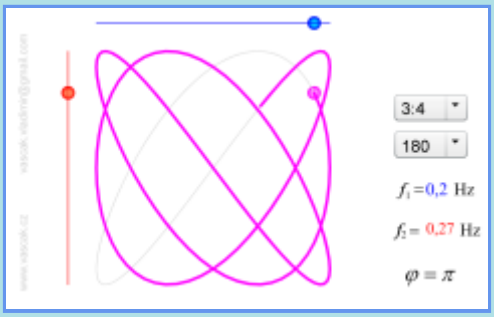
Fase



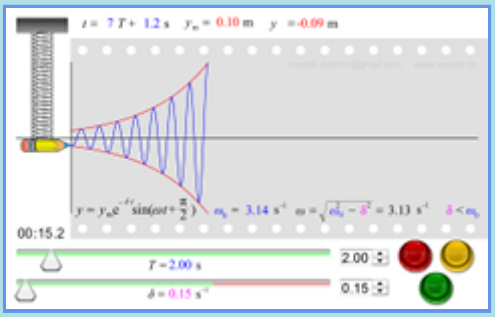
Blokgolf



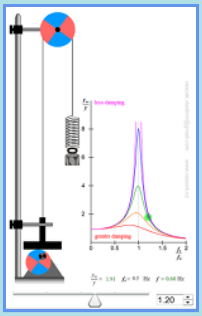
Lissajousfiguur



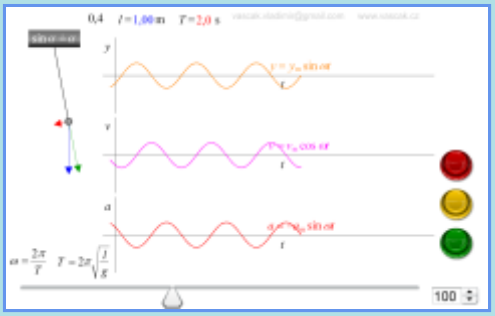
Gedempte oscillator



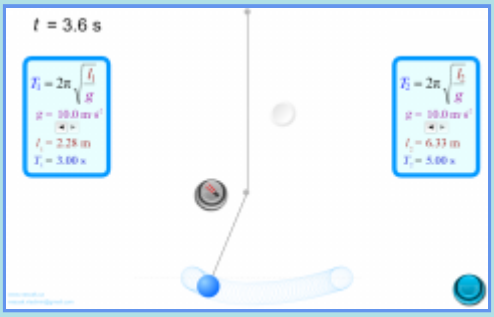
Gedwongen oscillator



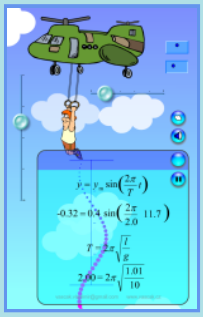
Slinger



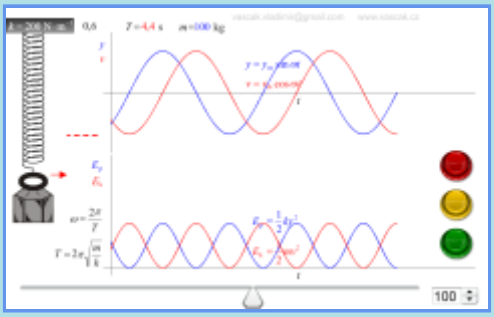
Slinger - Draadnagel



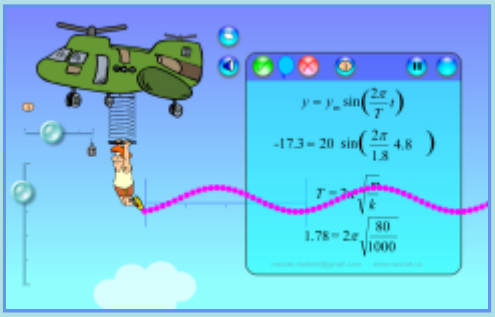
Slinger - Helikopter



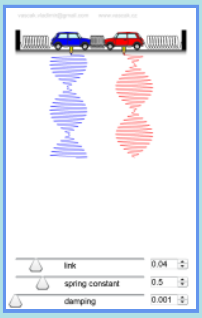
Harmonische oscillator



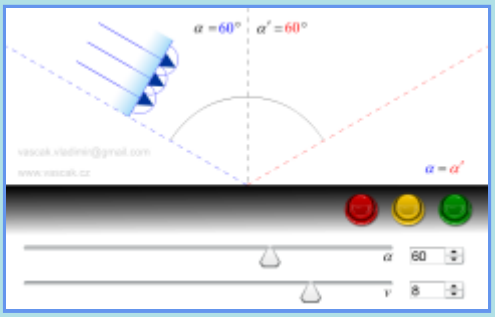
Harmonische oscillator - ...



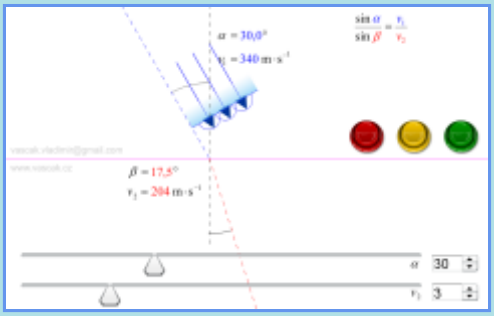
Gekoppelde oscillatoren



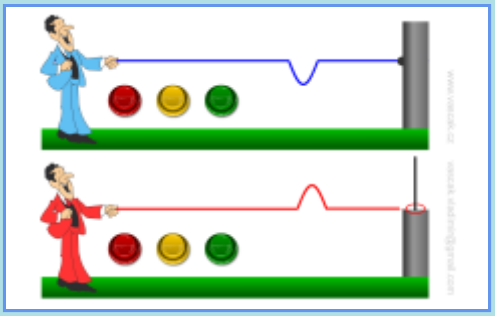
Reflectie



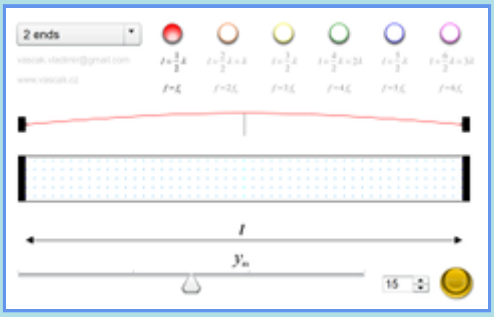
Refractie



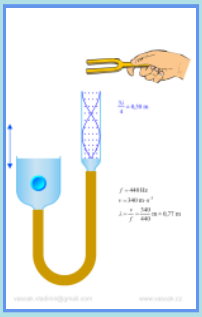
Transversale golven in ee...



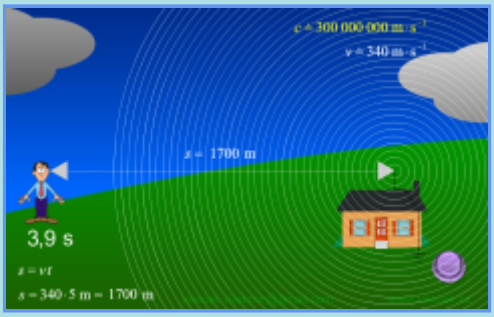
Staande golf



Resonantie



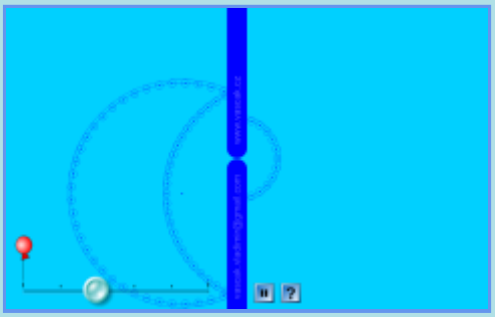
Geluidssnelheid



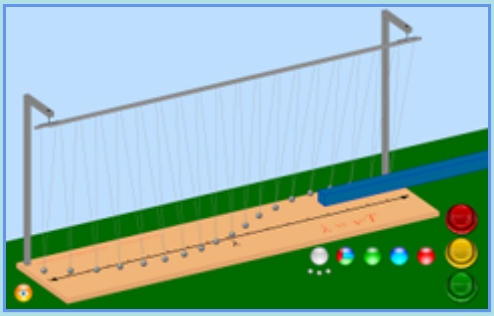
Dopplereffect

Schokgolf

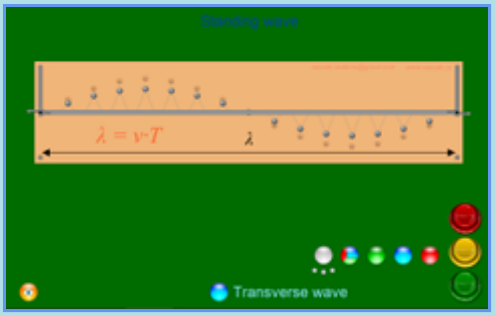
Principe van Huygens-Fres...



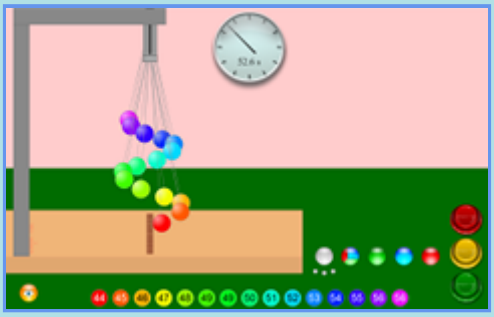
Golf slinger



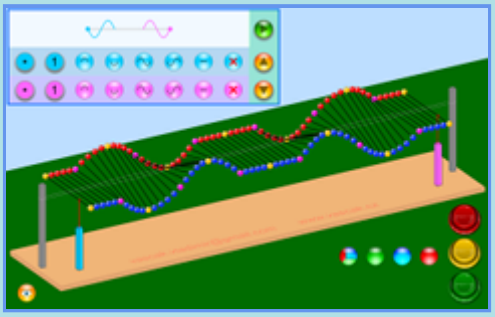
Staande golf



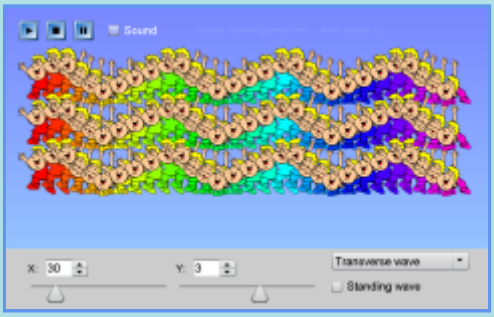
Pendulum golven



Golvenapparaat voor trans...



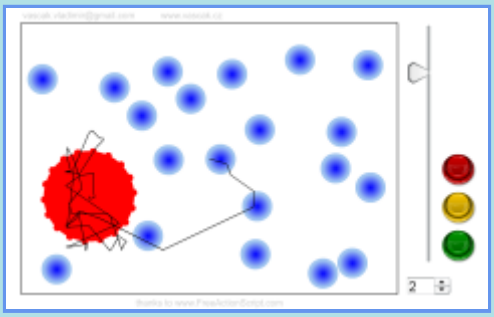
Golf



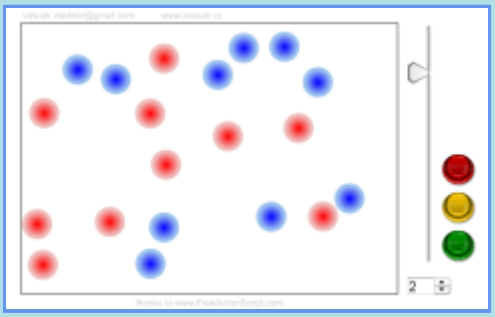
Geluid

Thermodynamica en Molecuulfysica

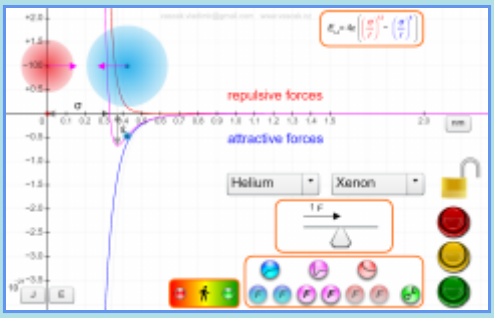
Brownse beweging



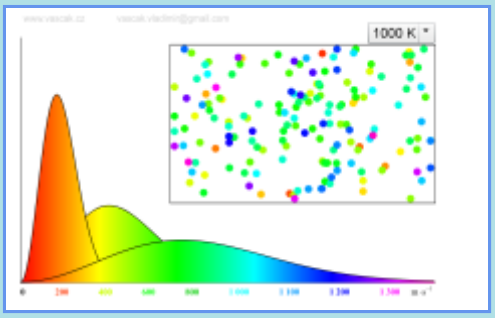
Diffusie



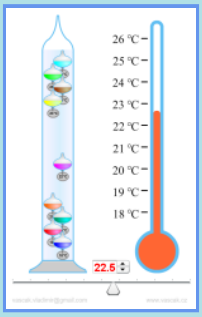
Interactive tussen atomen



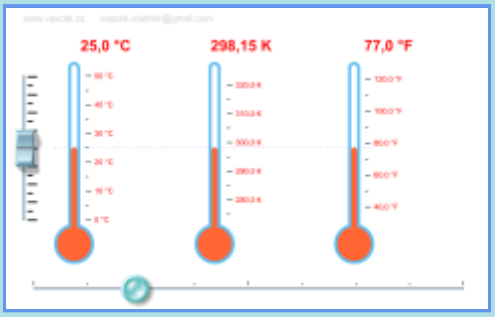
Maxwell-Boltzmann-verdeli...



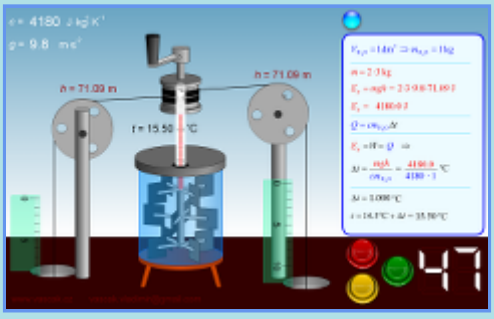
Galileithermometer



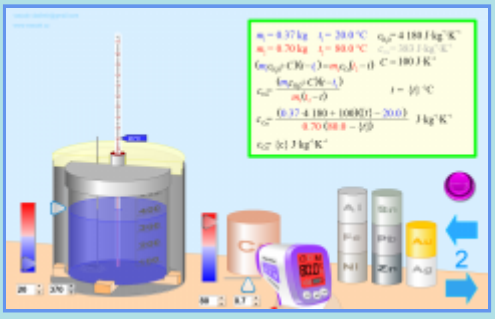
Temperatuurschaal



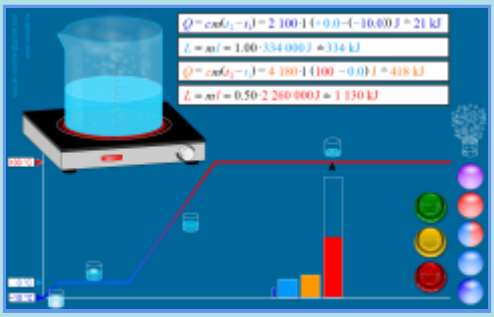
Mechanisch equivalent van...



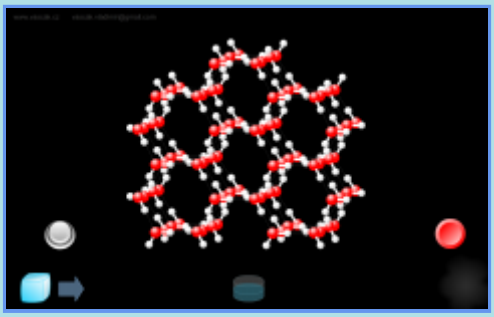
Calorimeter



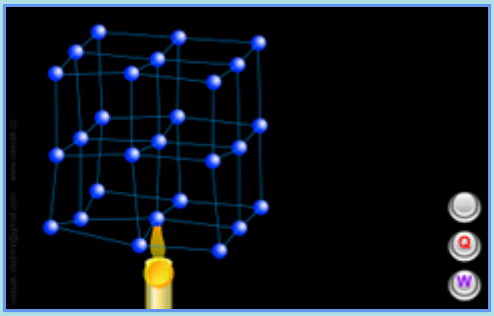
Aggregatietoestand



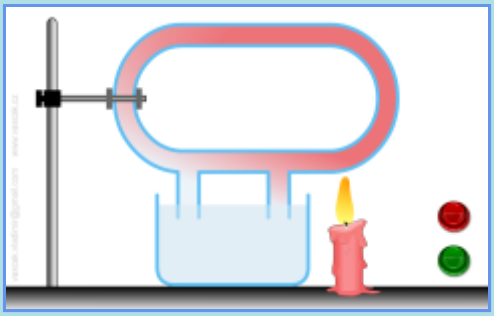
Aggregatietoestand - wate...



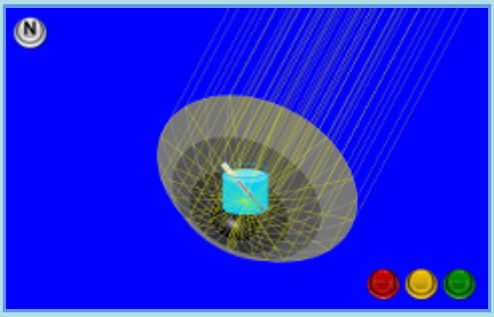
Inwendige energie



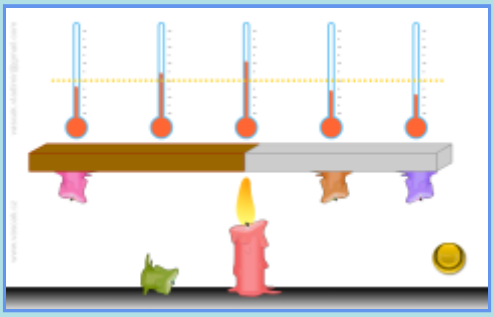
Flow (konvekce)



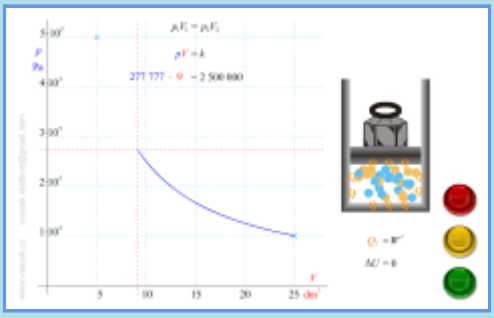
Straling (radiatie)



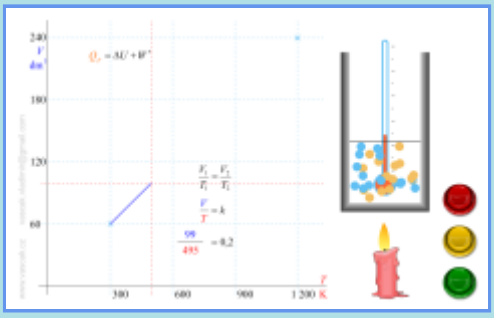
Geleiding (conductie)



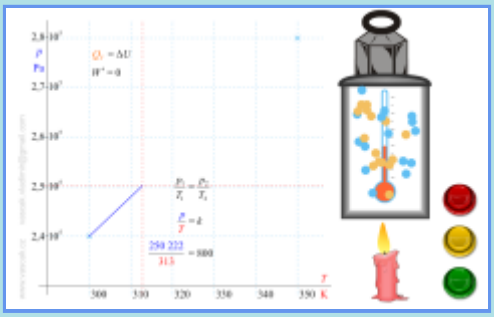
Isotherm proces



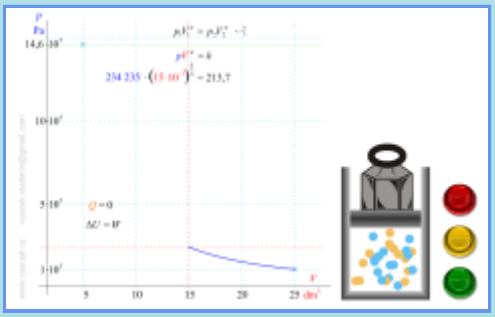
Isobaar proces



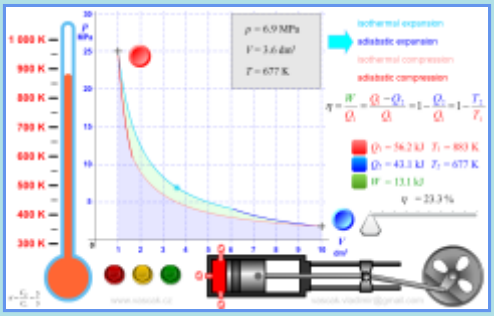
Isochoor proces



Adiabatisch proces

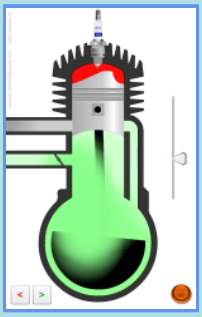


Carnotproces

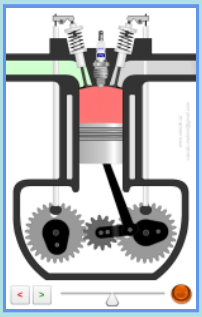


Stoomlocomotief

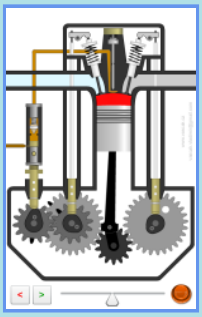
Tweetaktmotor



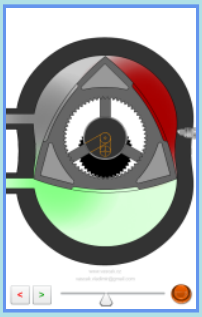
Viertaktmotor



Dieselmotor

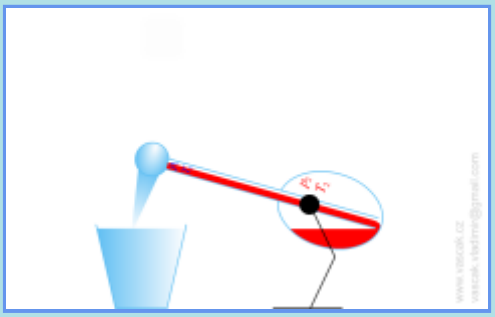


Wankelmotor

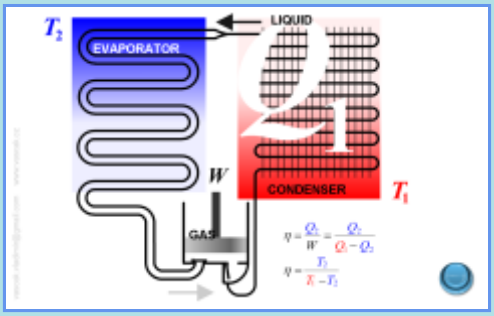


Perpetuum mobile

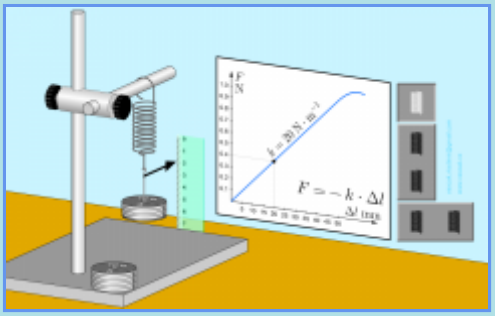
Drinkend vogeltje



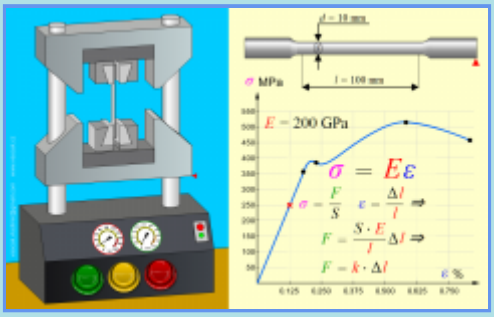
Refrigerator



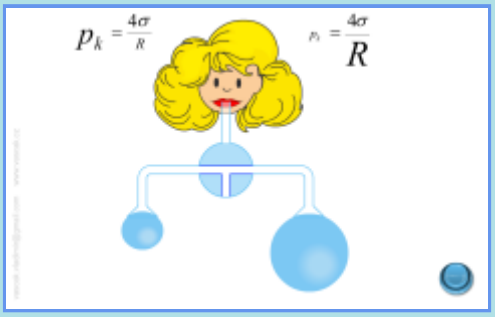
Wet van Hooke - 1



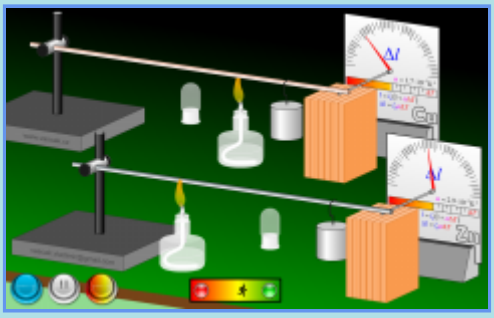
Wet van Hooke - 2



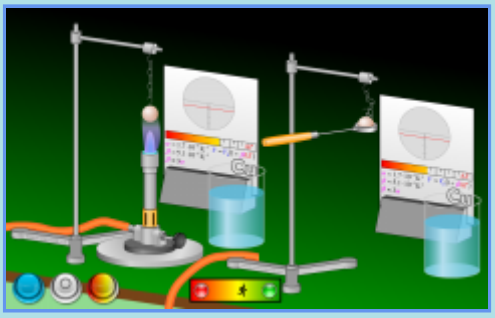
Capillariteit



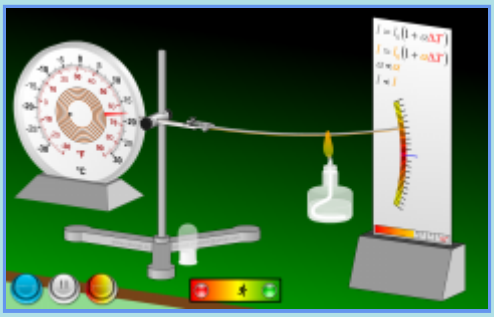
Thermische uitzetting



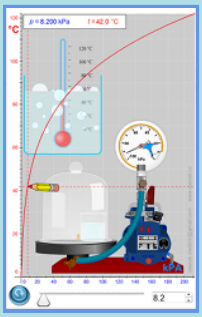
Thermische uitzetting



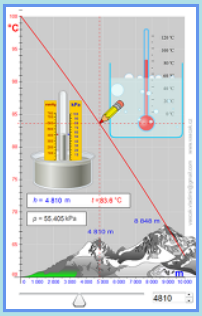
Bimetaal



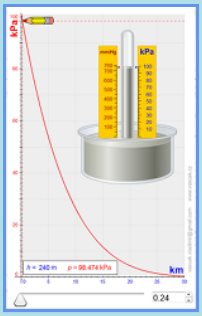
Kookpunt - Luchtdruk



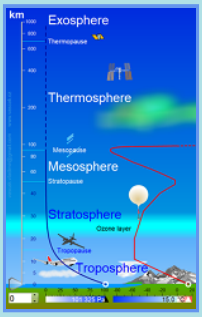
Kookpunt - Hoogte



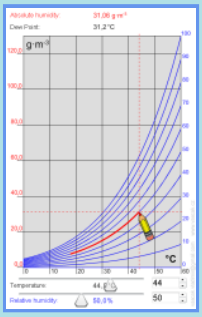
Luchtdruk - Hoogte



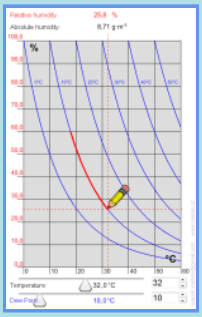
Aardatmosfeer



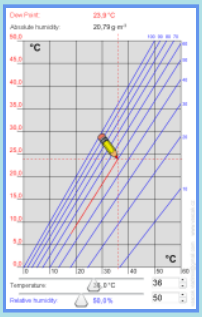
Absolute vochtigheid



Relatieve vochtigheid



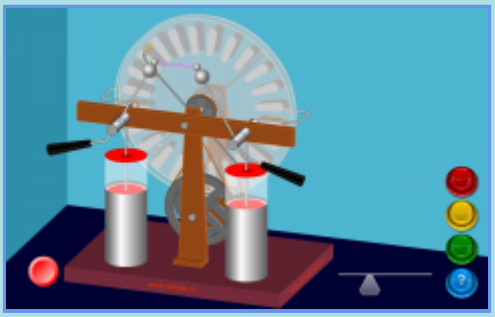
Dauwpunt



Elektrostatica

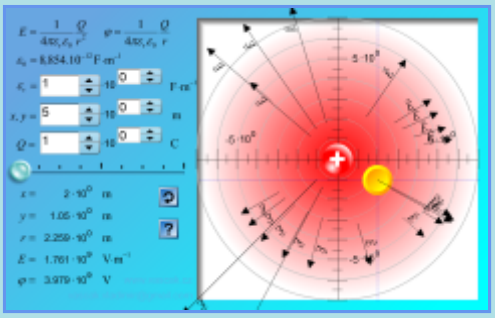
Wet van Coulomb

Elektriseermachine van Wi...

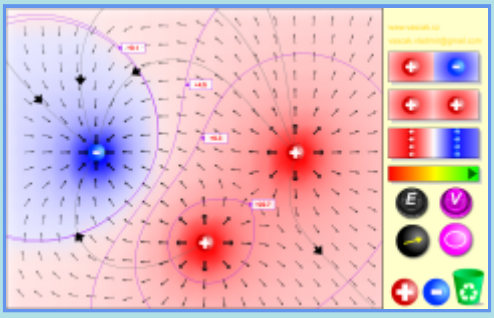


Vandegraaffgenerator

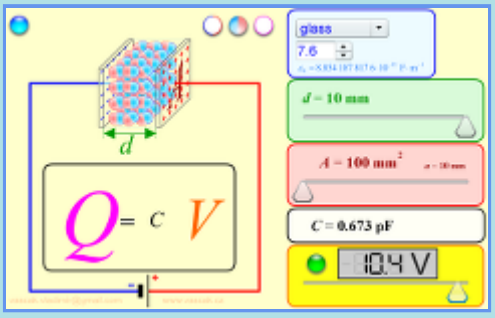
Elektrisch veld



Elektrisch veld en veldst...

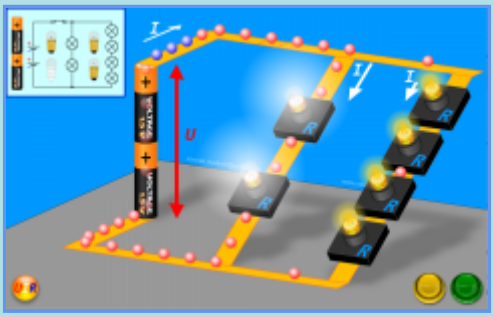


Condensator

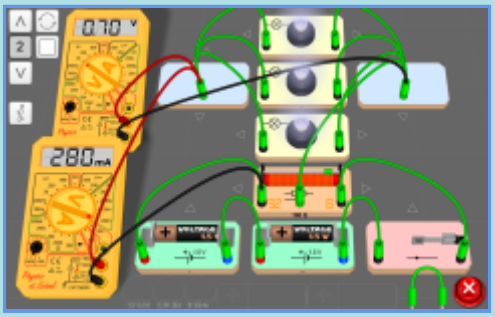


Elektrische stroom

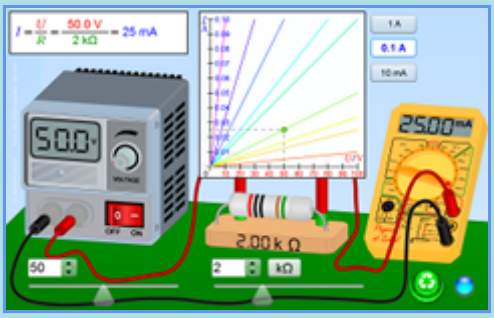
Spanning, stroom en weers...



Elektrisch netwerk

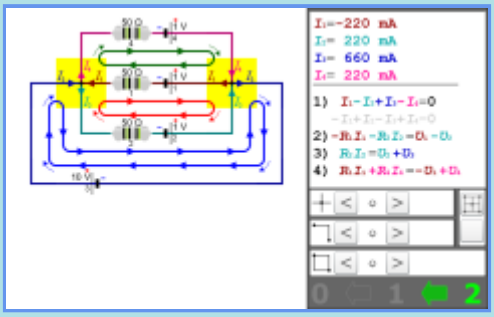


Wet van Ohm

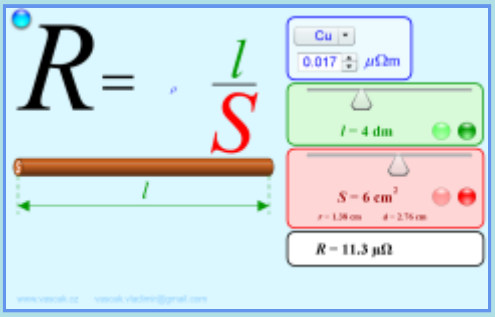


Inwendige weerstand

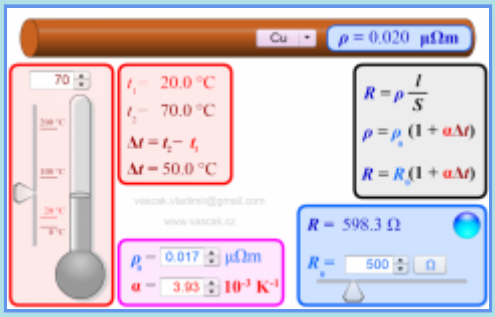
Elektriciteitswetten van ...



Elektrische weerstand

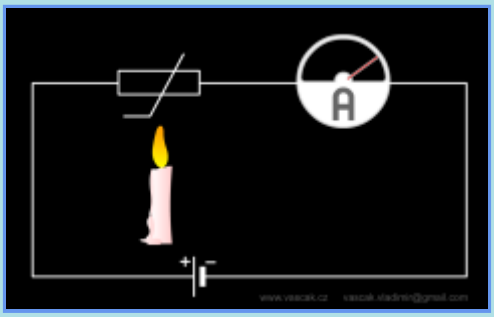


Temperatuurcoëfficiënt

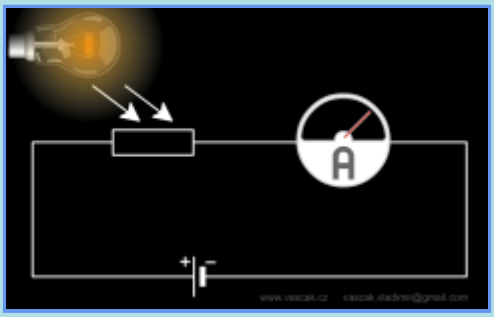


Halfgeleider

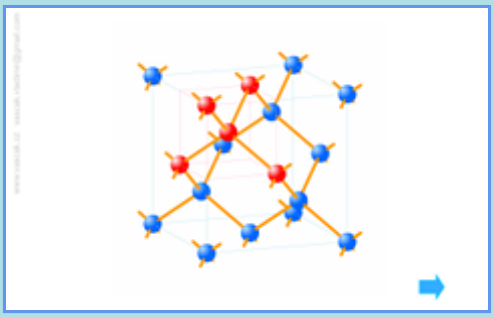
Thermistor



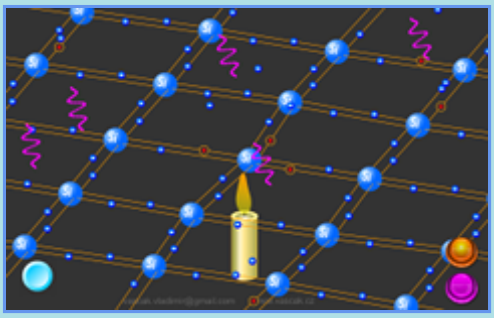
Lichtgevoelige weerstand



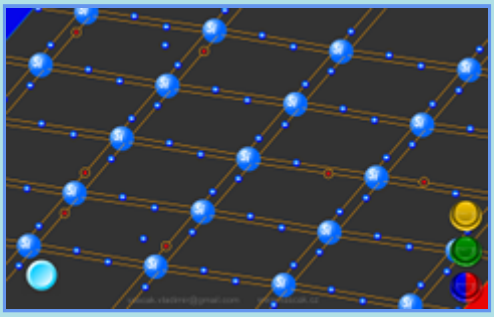
Silicium



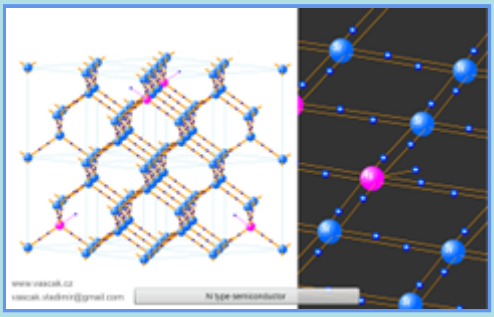
Generatie van een elektro...



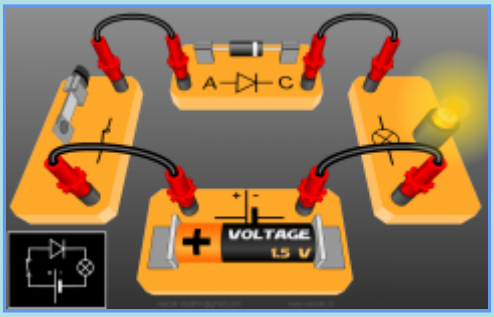
Intrinsieke halfgeleider



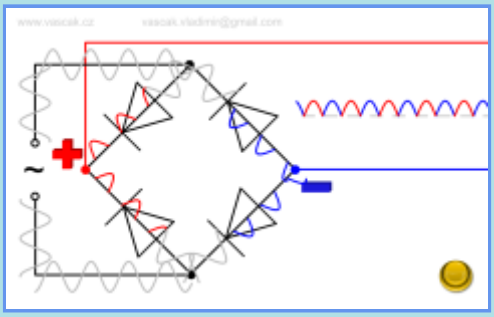
Halfgeleider



Diode

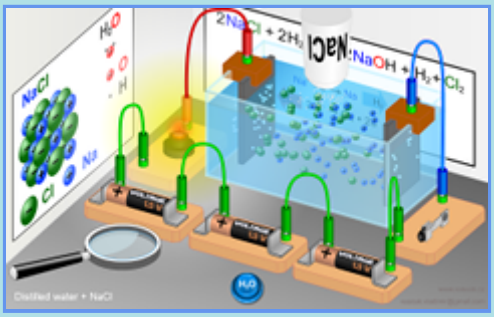


Bruggelijkrichter

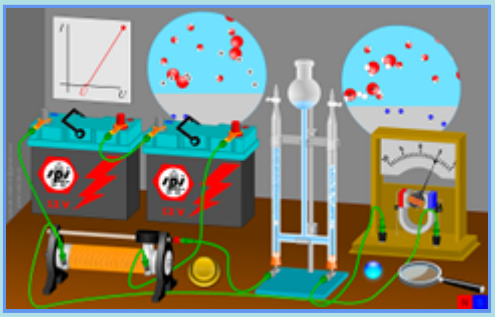


Stroomgeleiding vloeistoffen

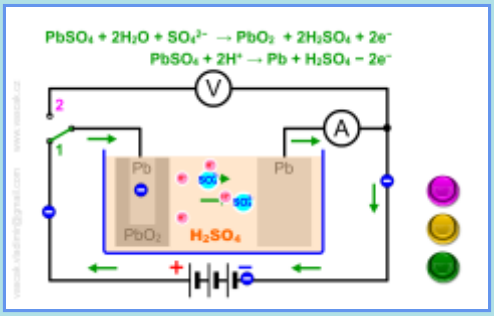
Dissociatie



Elektrolyse

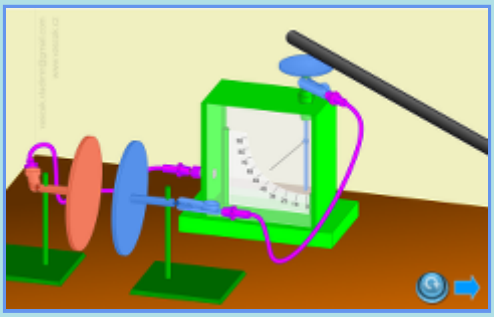


Loodaccu

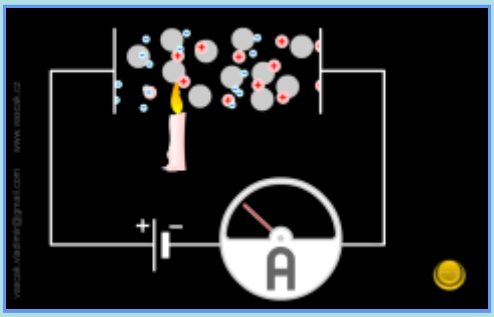


Elektriciteit in gassen en vacuüm

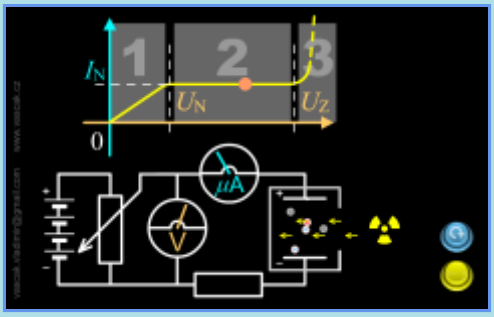
Ionisatie - ontladen van ...



Gasontlading



Stroom-spanning karakteri...



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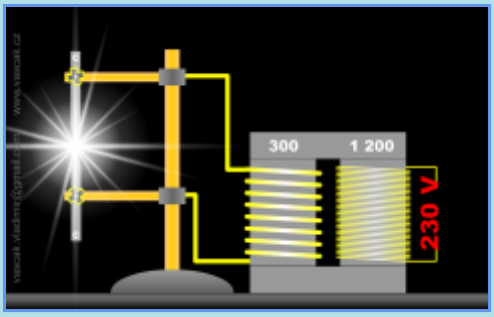
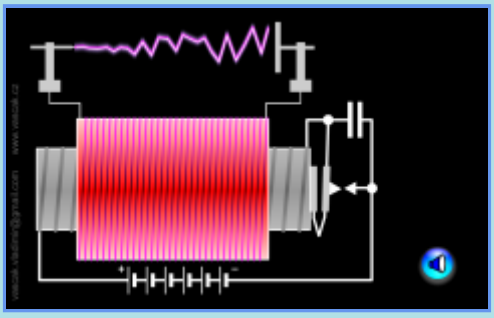
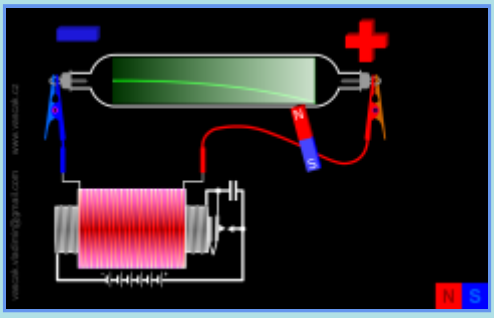


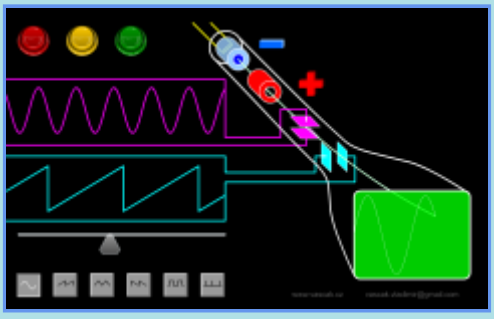
Vonkinductor



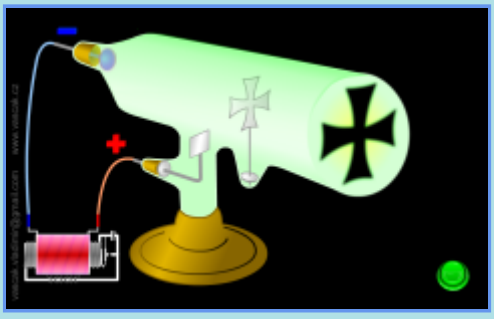
Kathodestraal



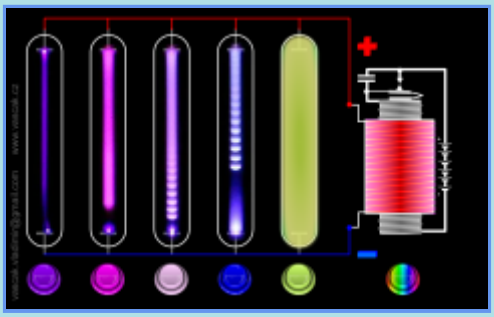
Oscilloscoop



Crookes-buis - Maltezer k...

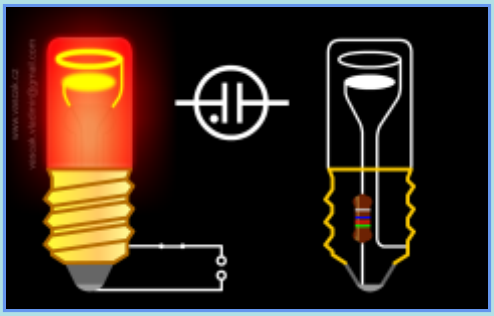


Elektrische ontlading in …

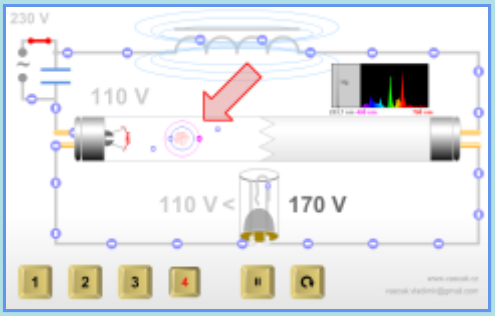


Sint-Elmusvuur

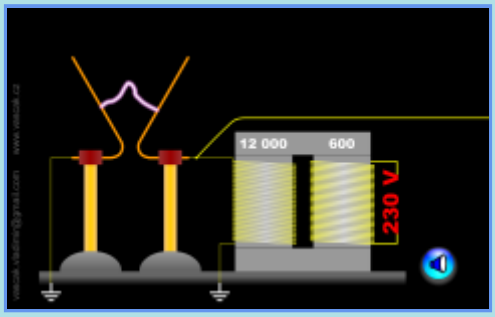
Neonsignaallamp



Fluorescentielamp

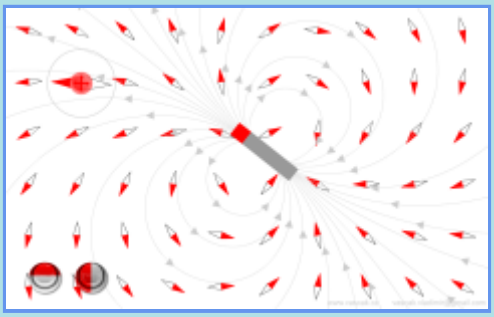


Bliksembeveiliging

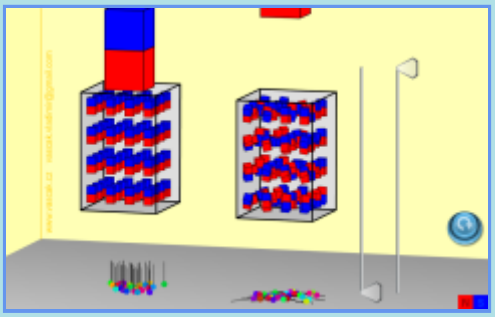


Magnetisch veld

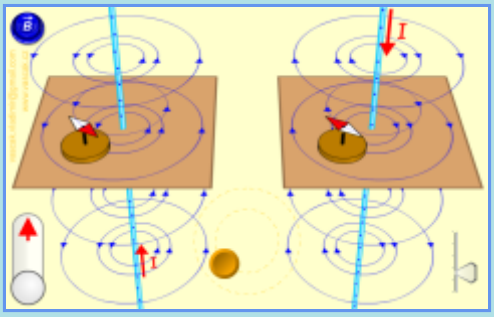
Magneet



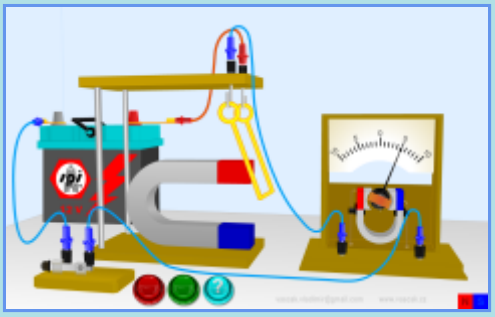
Ferromagnetisme



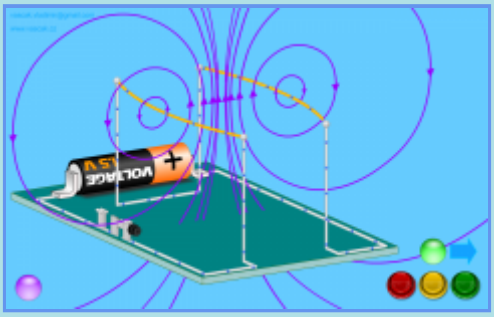
Magneetveld rond stroomdr...



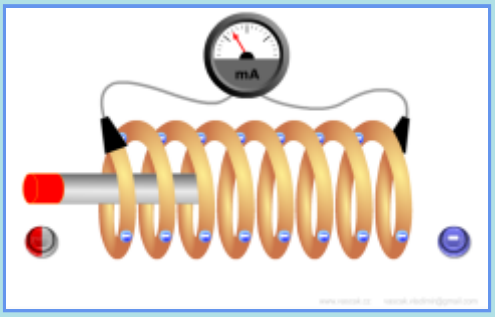
Linkerhandregel van Flemi...



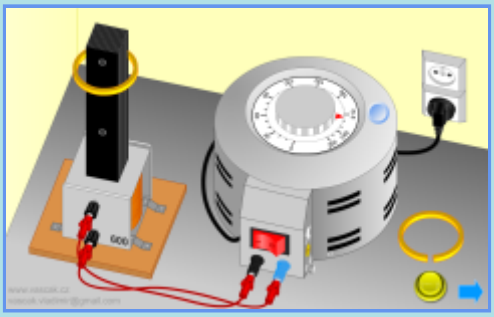
Wet van Ampère



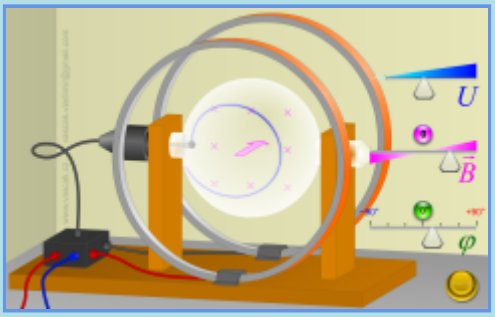
Elektromagnetische induct...



Wet van Lenz

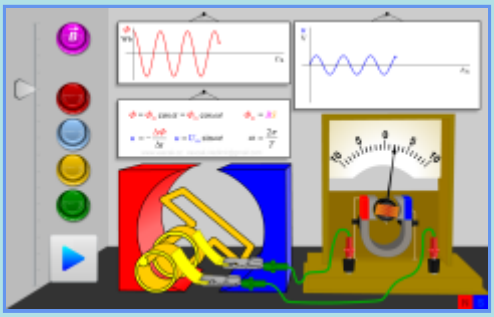


Helmholtz-spoelen

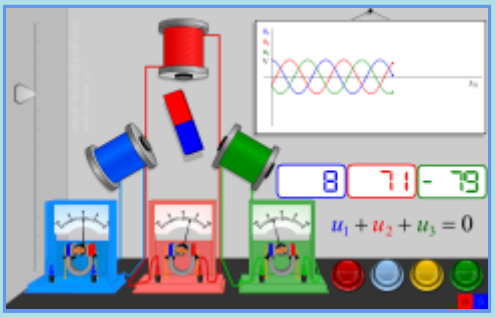


Wisselstroom

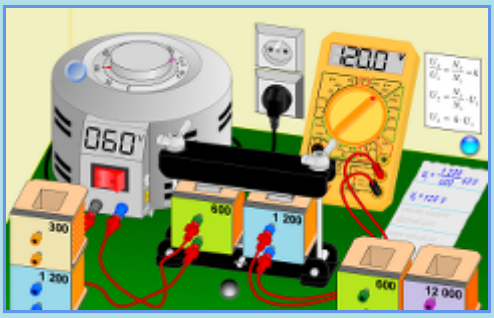
Alternator en dynamo



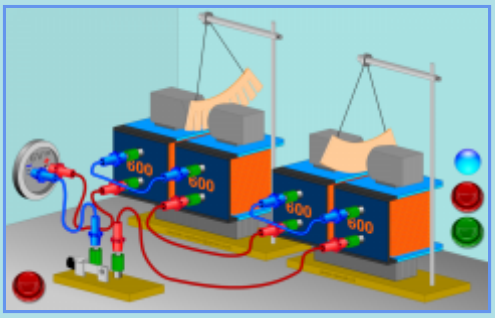
Driefasengenerator



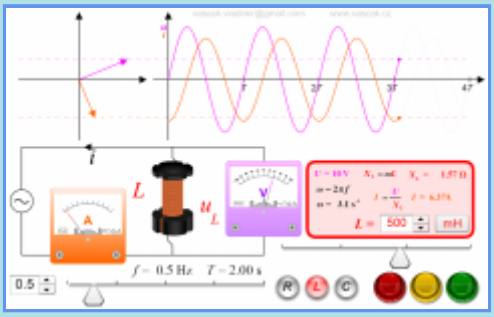
Transformator



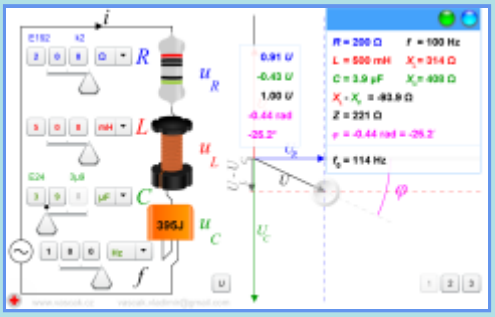
Slinger van von Waltenhof...



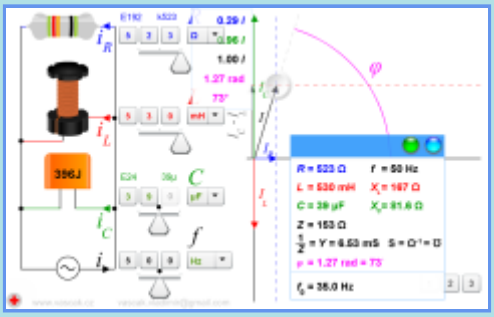
Eenvoudige wisselstroomsc...



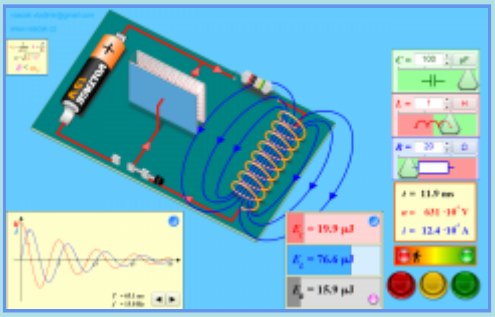
RLC seriekring



RLC-parallelkring

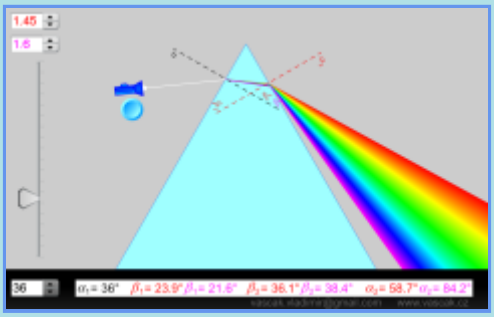


RLC-kring

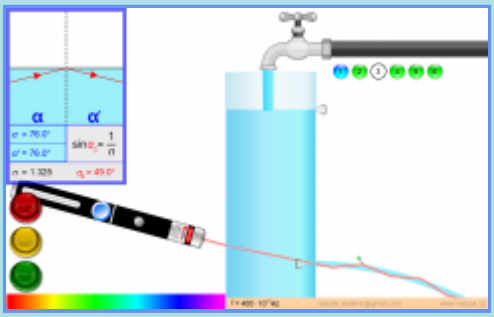


Optica

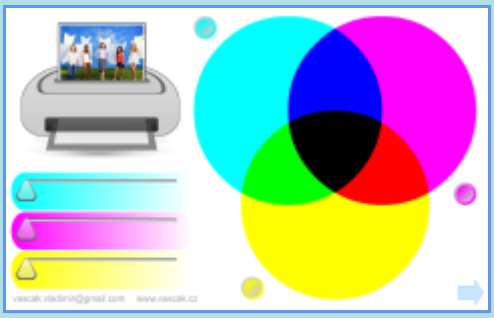
Prisma



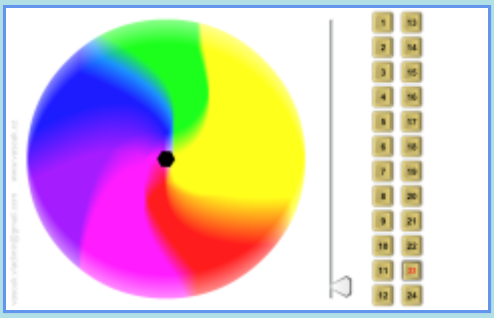
Totale interne reflectie



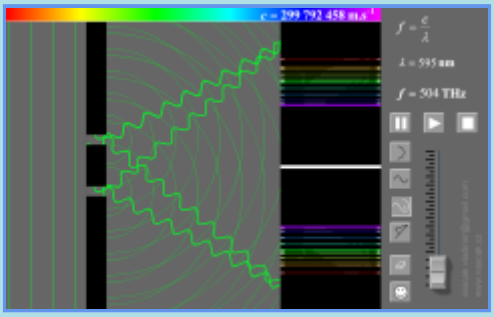
Subtractieve en additieve...



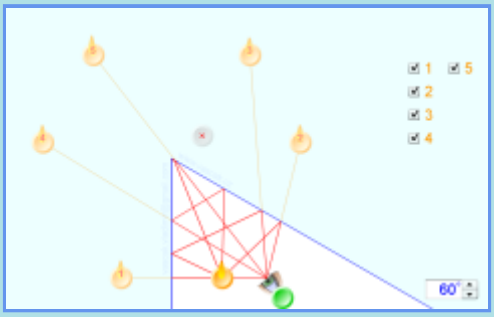
Newtonschijf



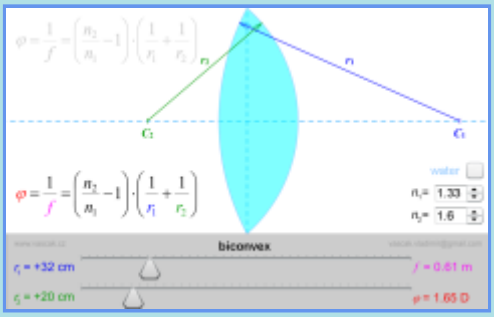
Tweespletenexperiment



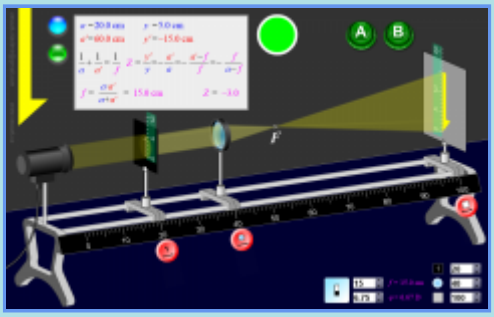
Spiegels



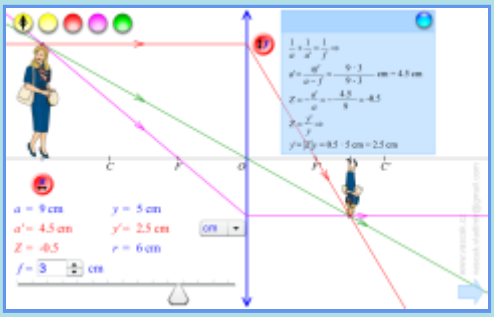
Lens



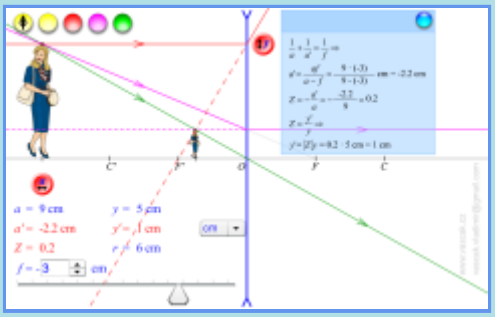
Brandpuntsafstand



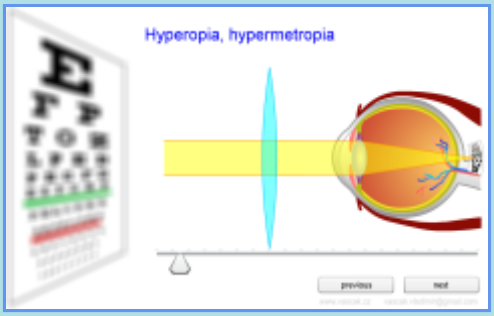
Positieve lens



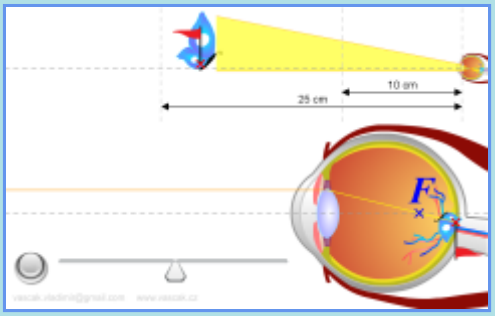
Negatieve lens



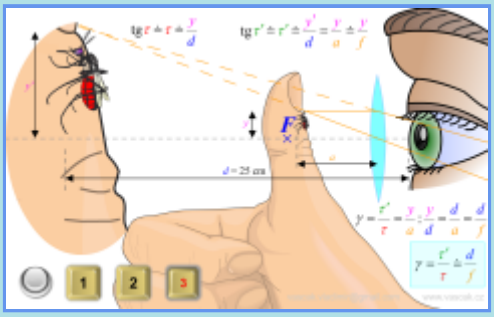
Visuele gebreken



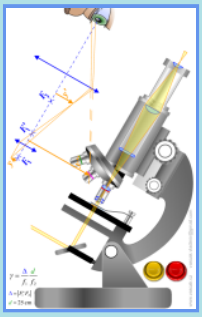
Accommodatie



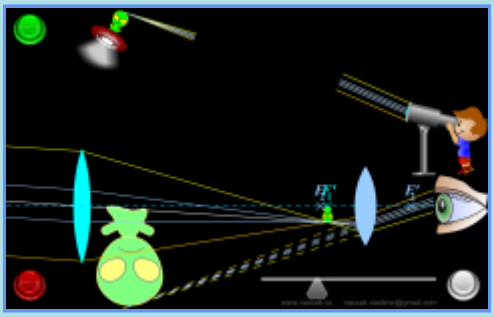
Loep



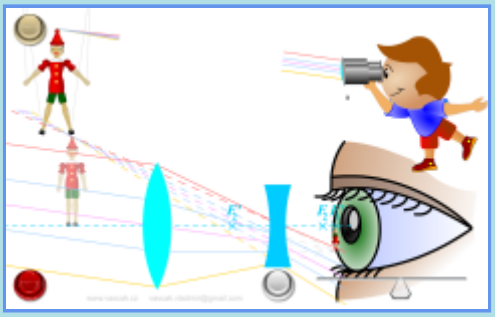
Microscoop



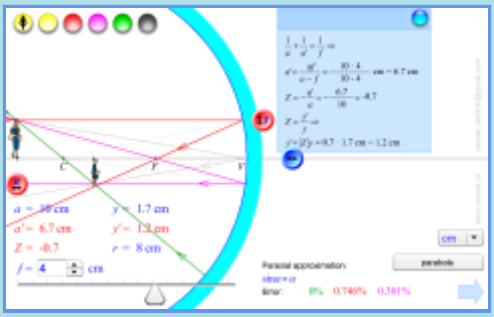
Keplertelescoop



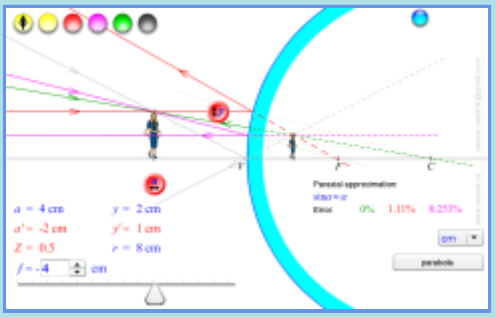
Hollandse kijker



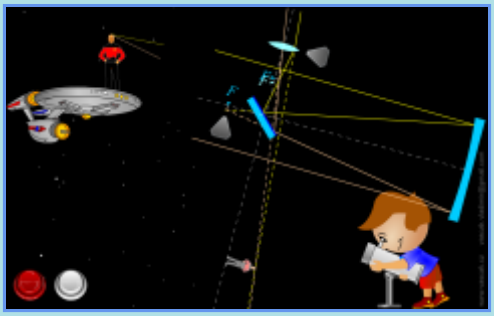
Holle spiegel



Bolle spiegel

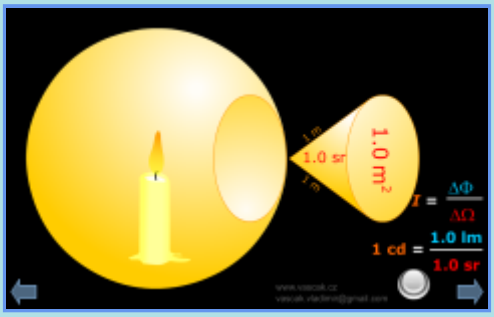


Newtontelescoop

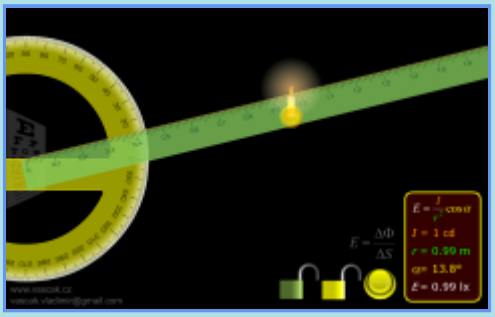


Lichtstroom

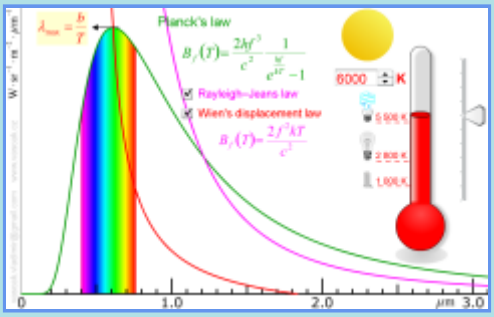
Lichtsterkte



Verlichtingssterkte



Zwarte straler



Zwarte straler - model

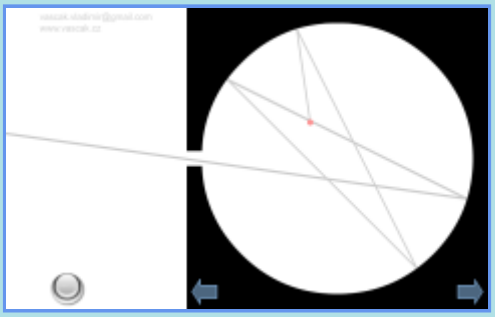
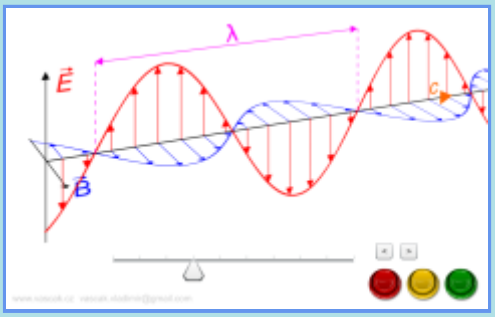


Foto-elektrisch effect

Electromagnetische golven

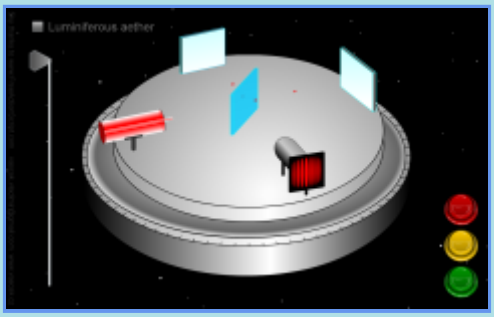


Polarisatiefilter

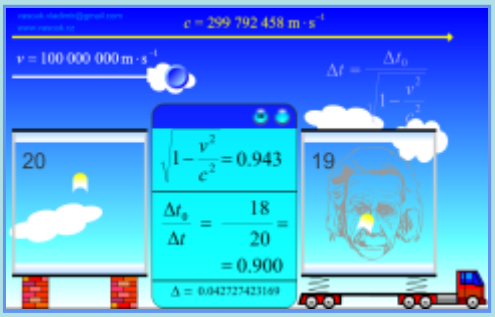
Röntgenbuis

Speciale relativiteitstheorie

Michelson-Morley-experime...



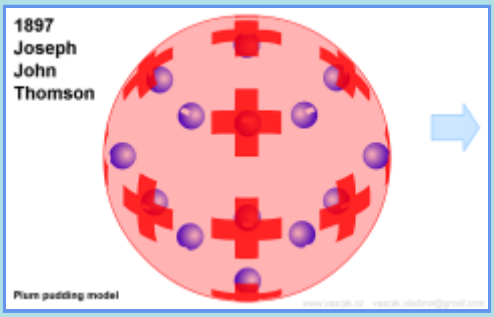
Tijddilatatie



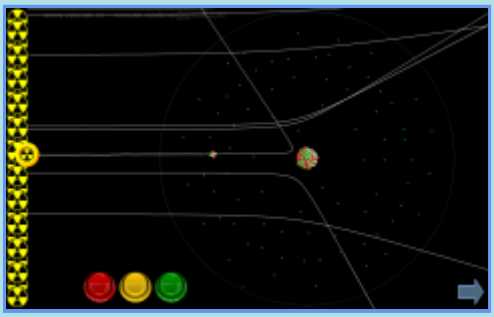
Lengtecontractie

Atoomfysica

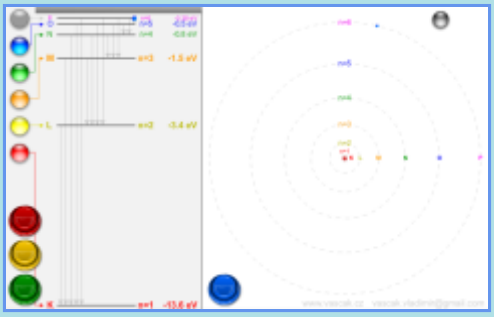
Atoommodel



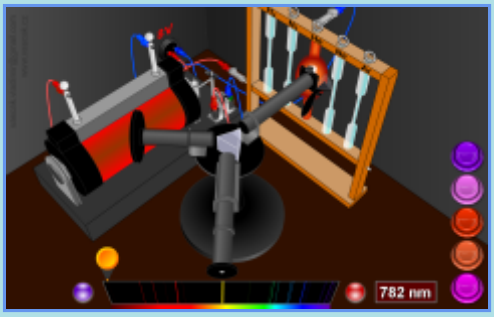
Rutherford goud folie exp...



Atoommodel van Bohr

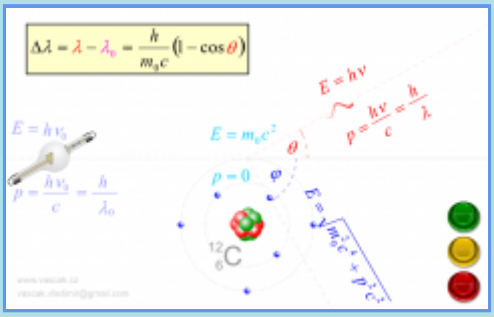


Spectroscoop

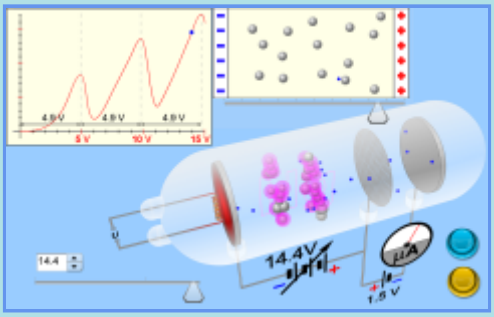


Proef van Millikan

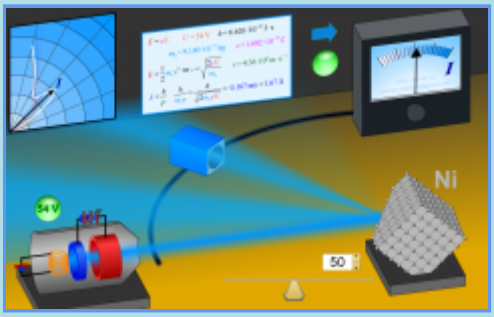
Compton-effect



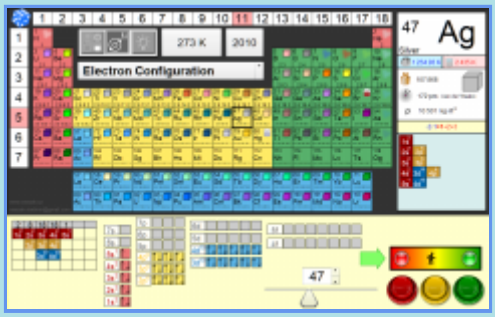
Franck–Hertz experiment



Davisson-Germer: diffract...

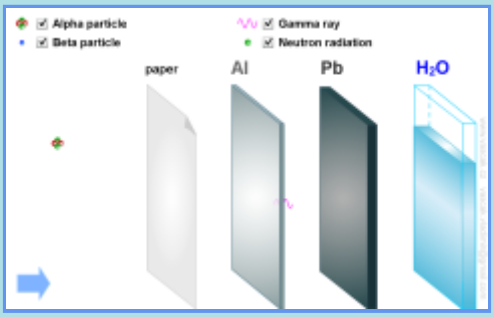


Periodiek systeem

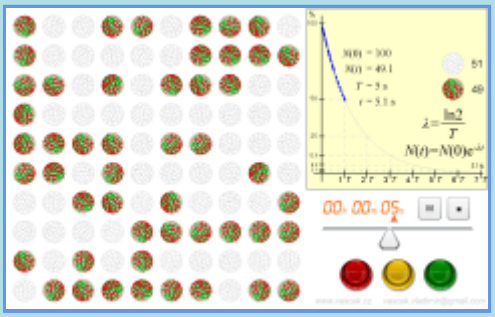


Kernfysica

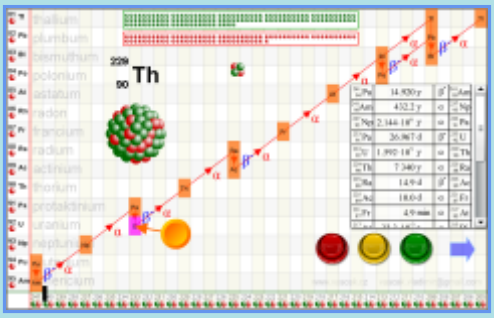
Straling



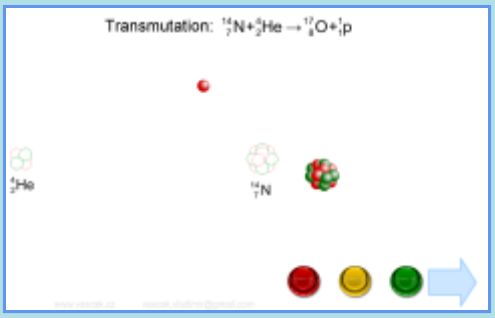
Vervalwet



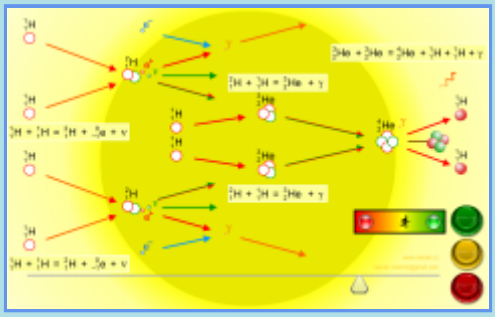
Radioactief verval (serie...



Kernreactie

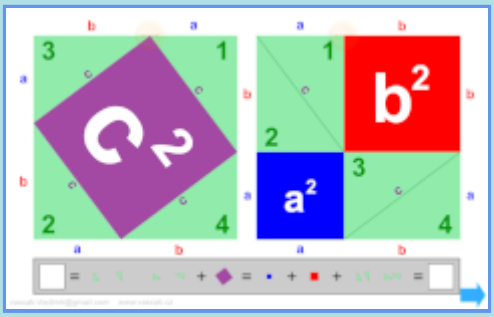


Kernfusie - Zon



Wiskunde

Stelling van Pythagoras



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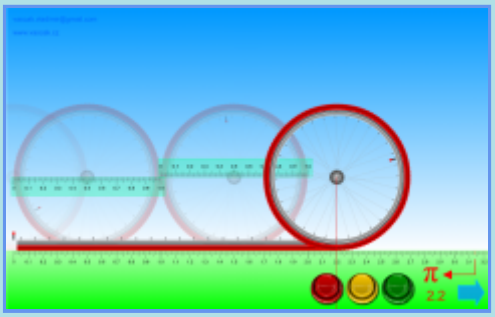

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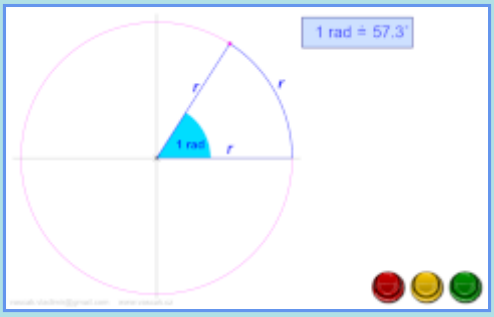

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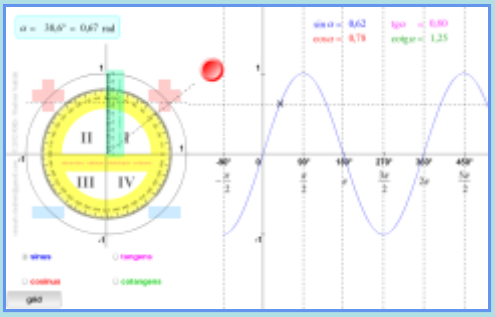
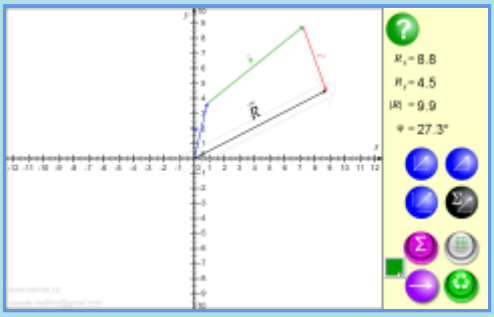
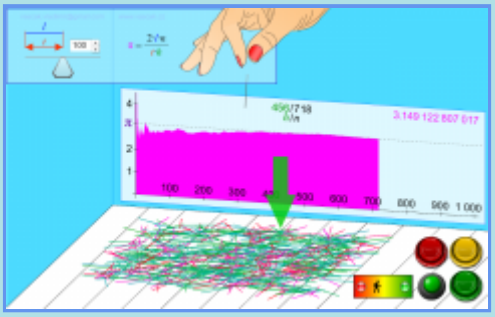


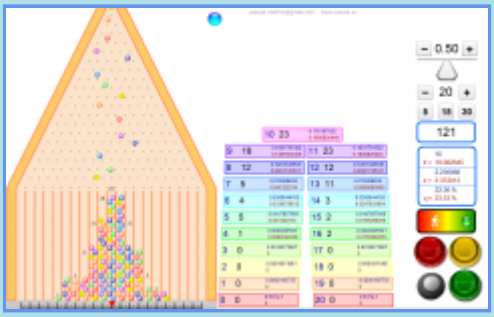
Optellen van Vectoren



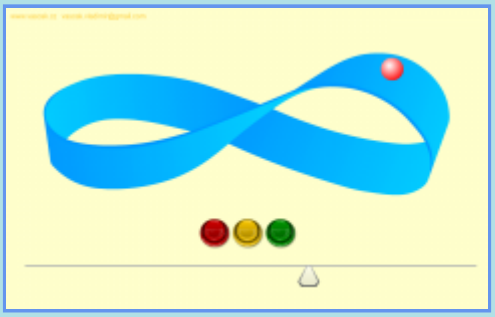
Naald van Buffon



Bord van Galton



Möbiusband



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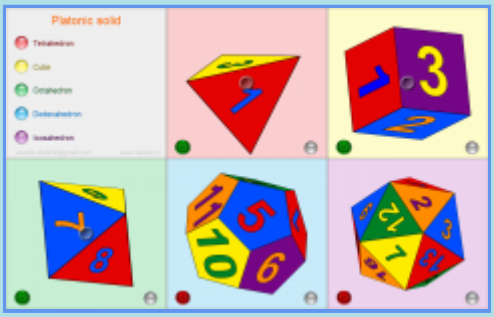
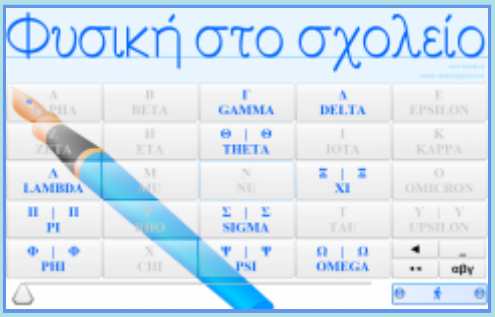
Grieks alfabet