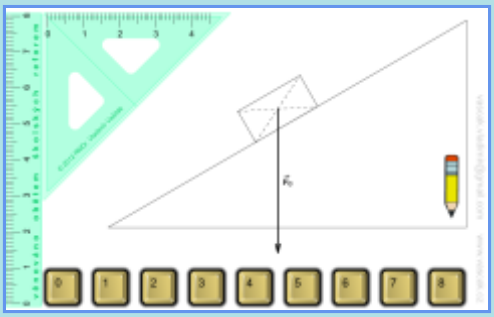
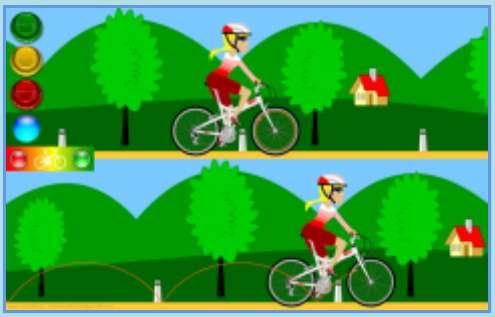
Fizika u školi

Mehanika

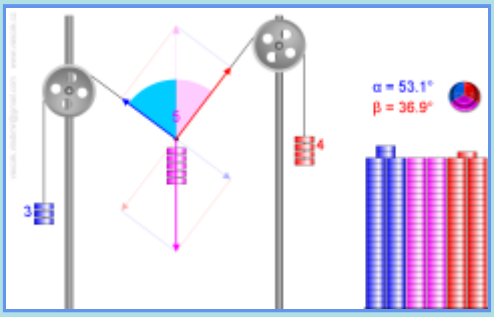
Kosina (strma ravan)



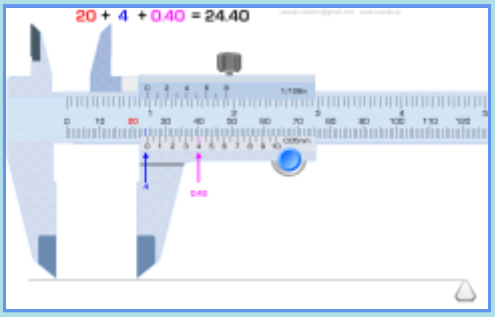
Referentni sistem



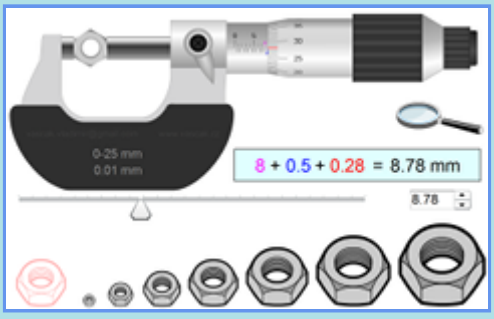
Slaganje sila



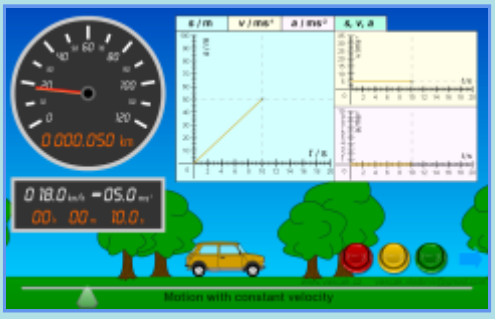
Pomično kljunasto mjerilo...



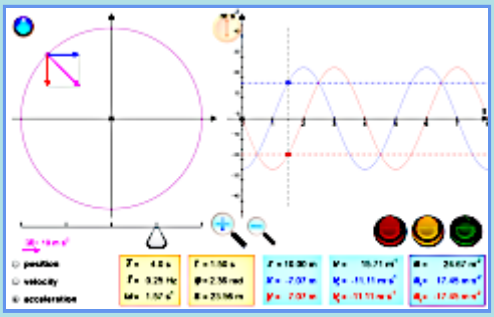
Mikrometarski zavrtanj



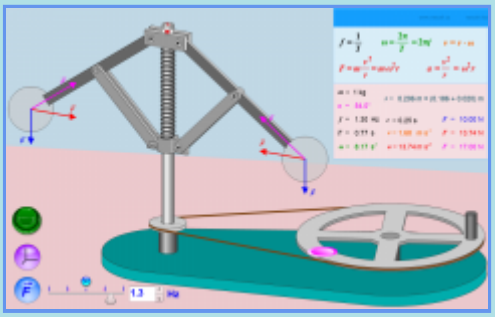
Kretanje



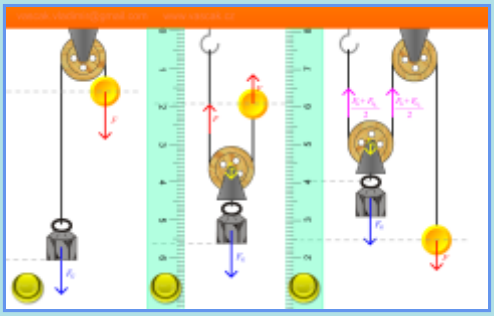
Kružni pokret



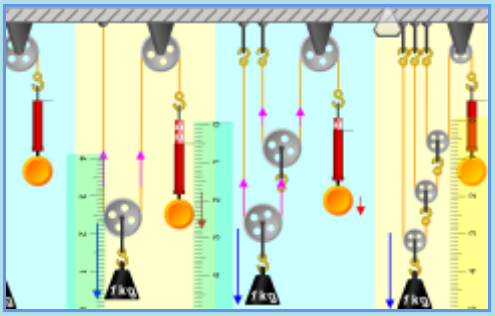
Centrifugalni regulator



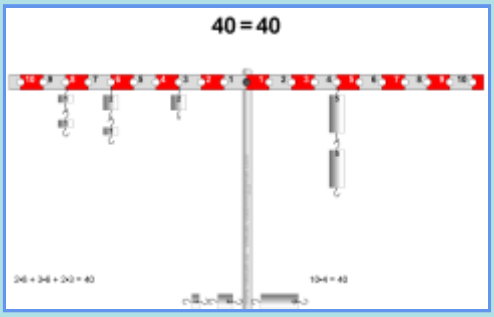
Nepomični i pomični kotur



Koturača

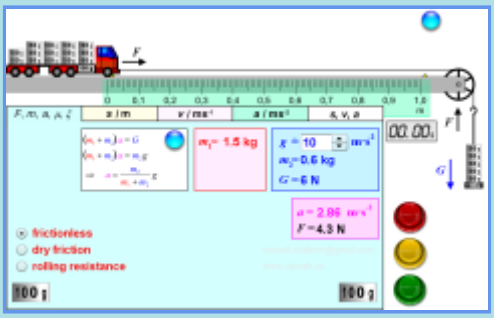


Poluga



Prvi Njutnov zakon

Drugi Njutnov zakon



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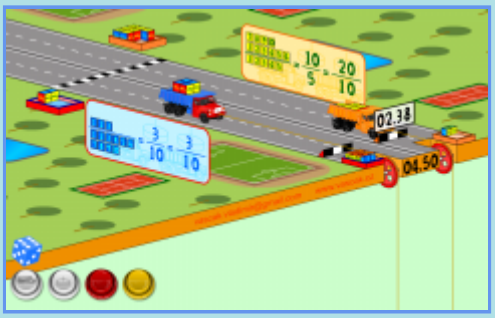
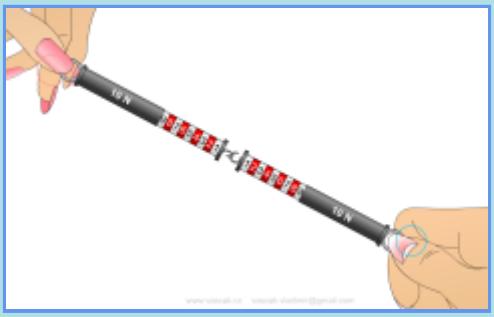


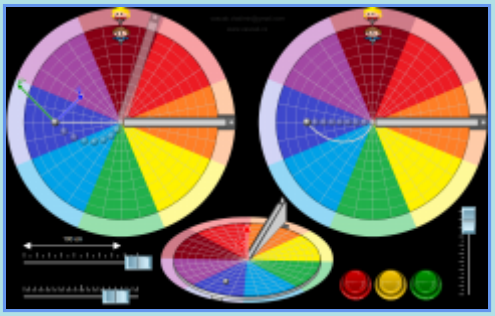
Treći Njutnov zakon



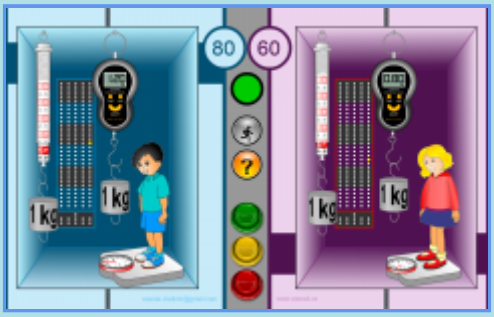
Fiktivna sila

Centrifugalna sila

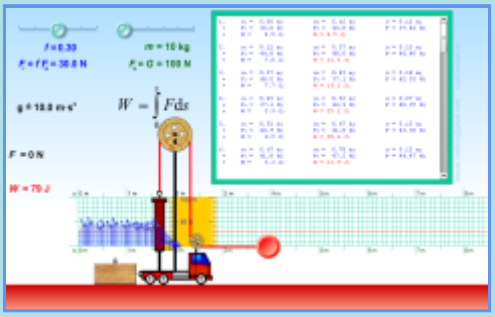
Coriolisov efekat



Lift

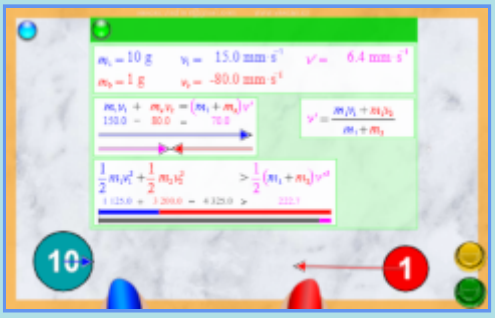


Mehanički rad

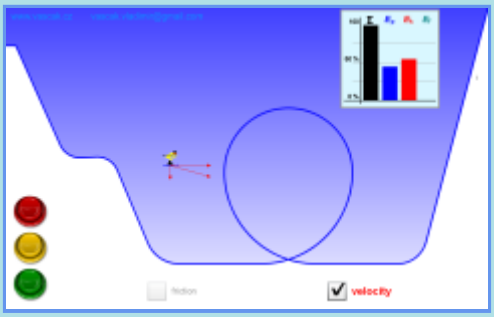


Elastičan sudar

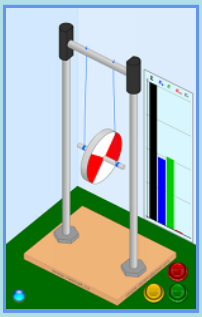
Neelastičan sudar



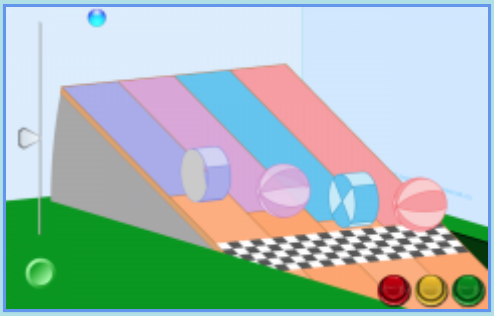
Zakon očuvanja energije



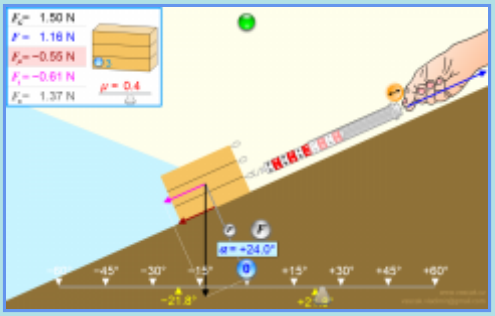
Maksvellov točak



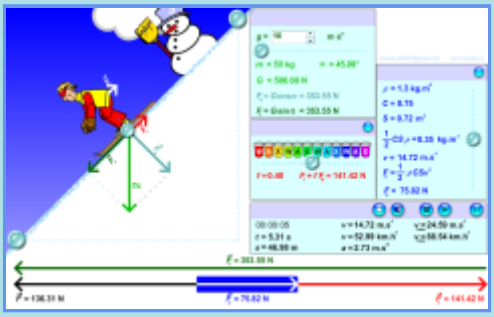
Moment inercije



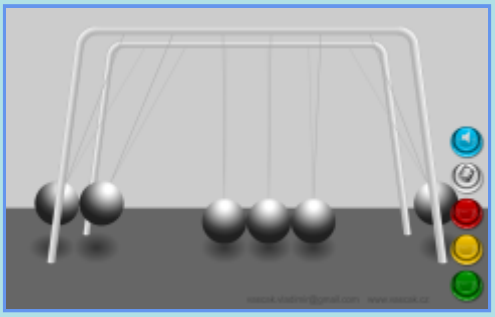
Trenje



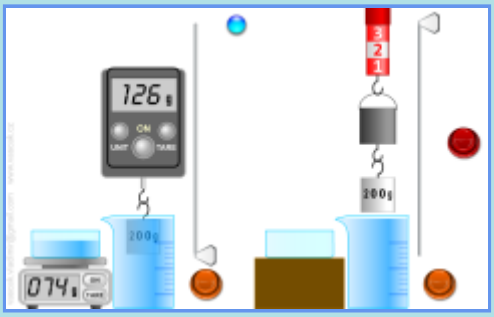
Trenje i otpor vazduha



Njutnovo klatno

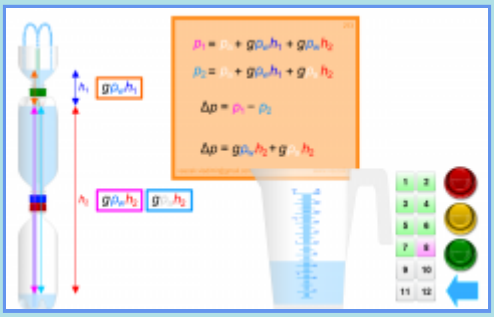


Arhimedov zakon

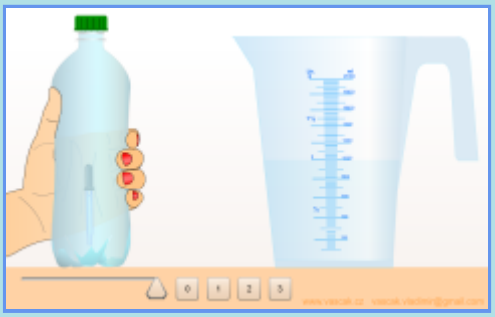


Hidrostatički pritisak

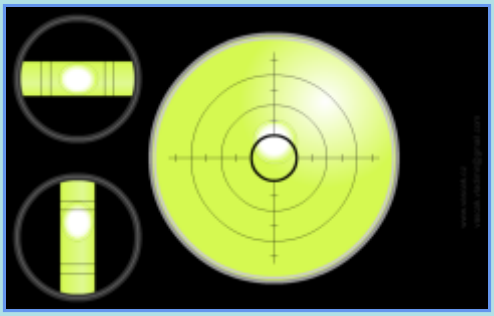
Heronova fontana



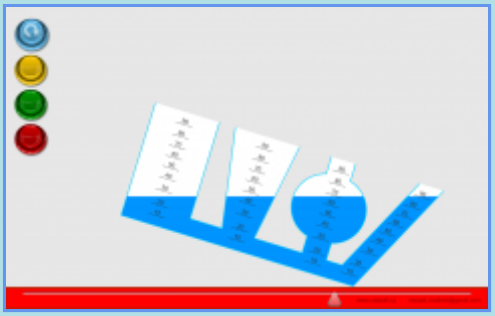
Kartezijev ronilac



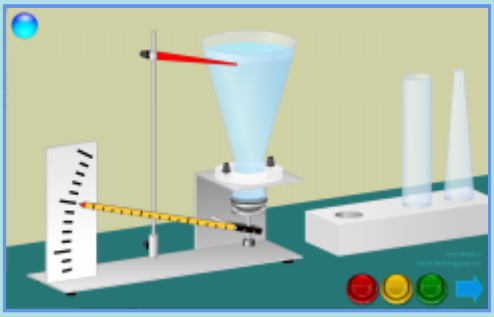
Libela



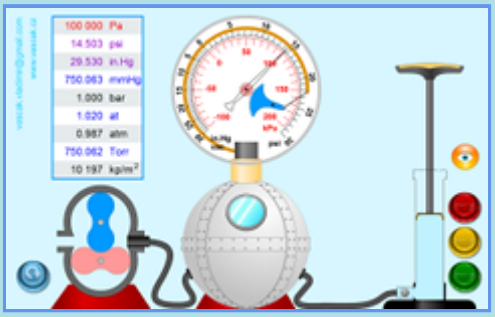
Spojene posude



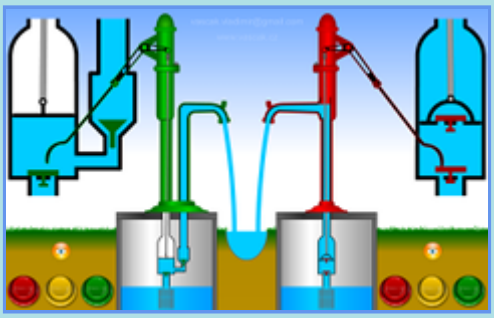
Hidrostatski paradoks



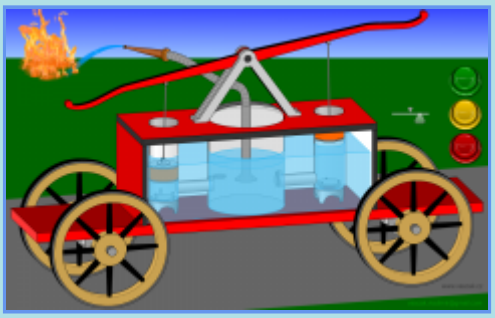
Pritisak



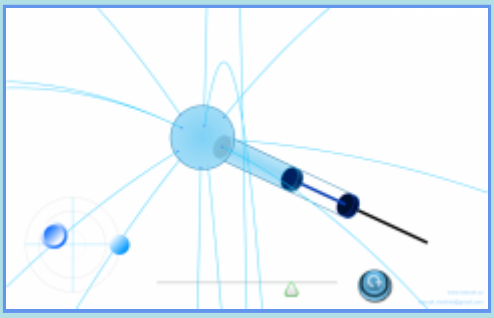
Pumpa



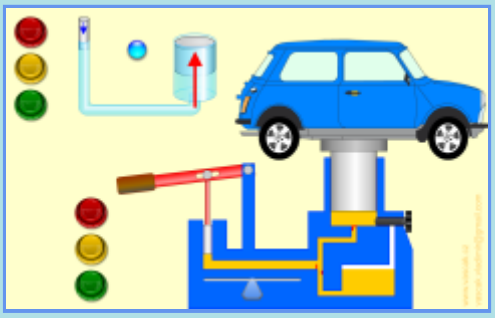
Ktesibije - vatrogasni mo...



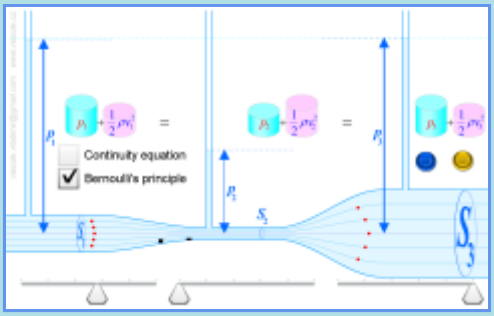
Paskalov zakon



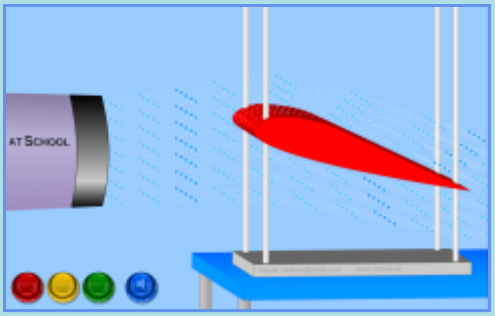
Hidraulički dizač



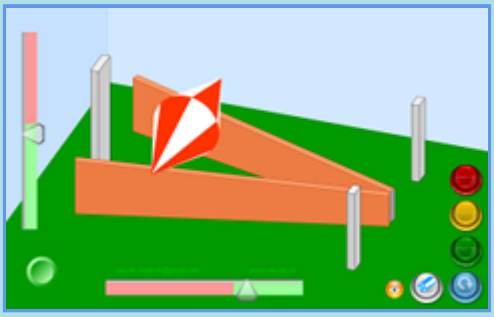
Bernulijeva jednačina



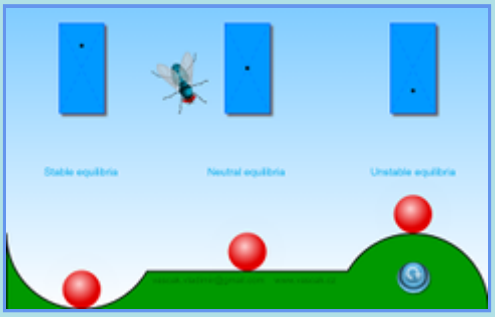
Dinamičko uzgon



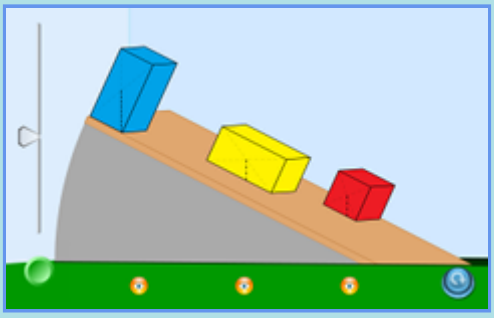
Centar mase



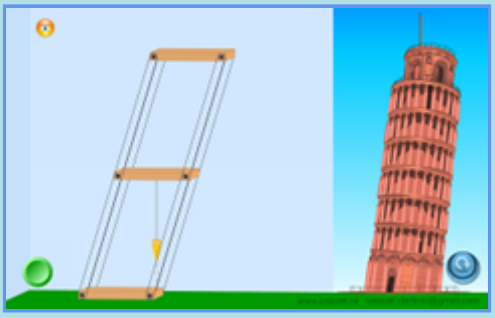
Ravnoteža tijela 1



Ravnoteža tijela 2

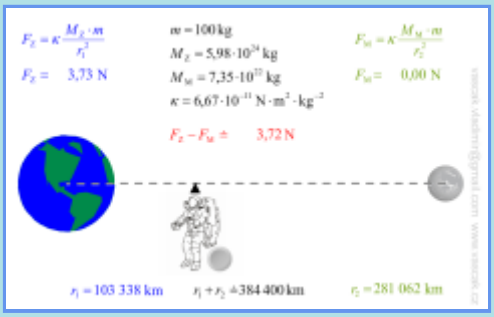


Ravnoteža tijela 3

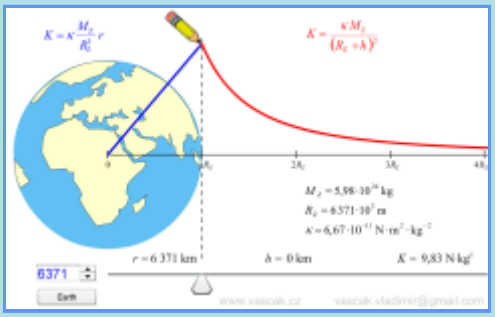


Gravitaciono polje

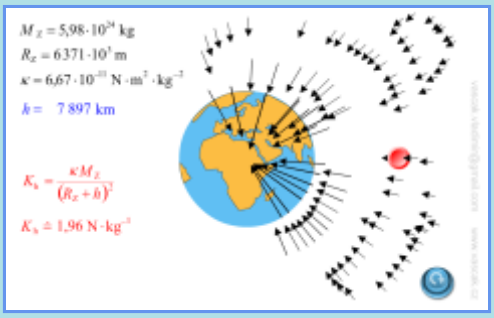
Univerzalni zakon gravita...



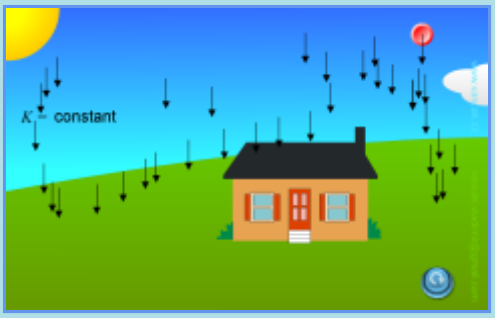
Intenzitet gravitacionog ...



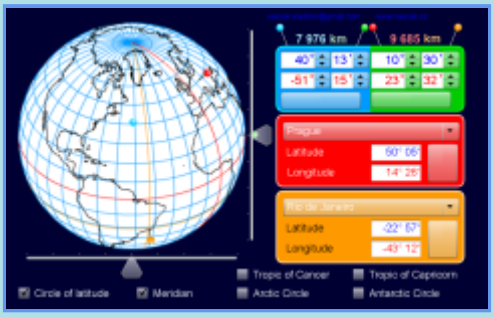
Gravitaciono polje



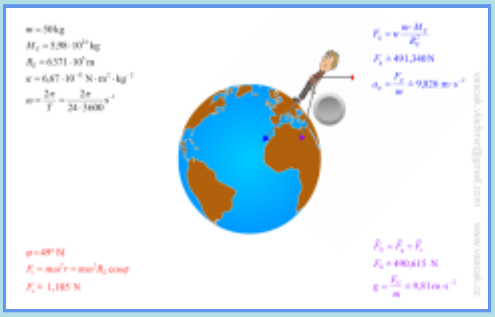
Homogeno gravitaciono pol...



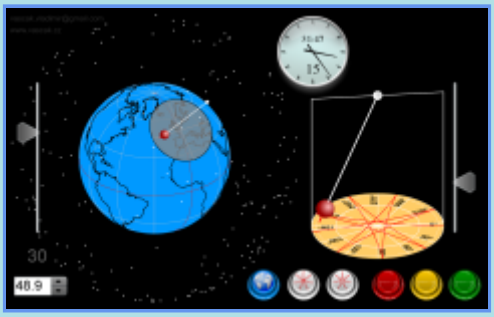
Geografske koordinate



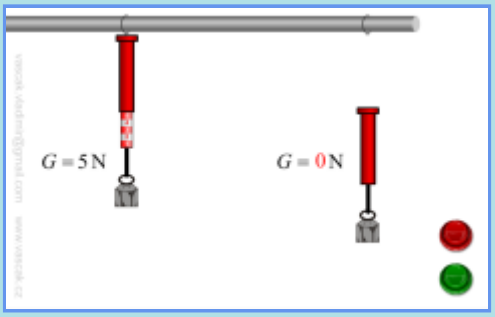
Ubrzanje Zemljine teže



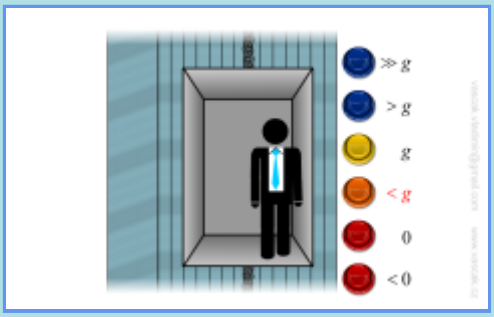
Fukoovo klatno



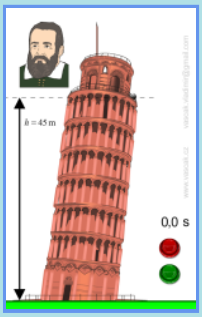
Besteżinsko stanje



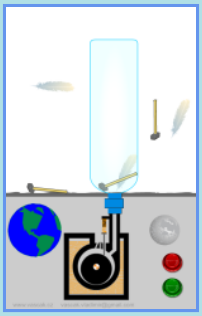
Super lift



Slobodni pad

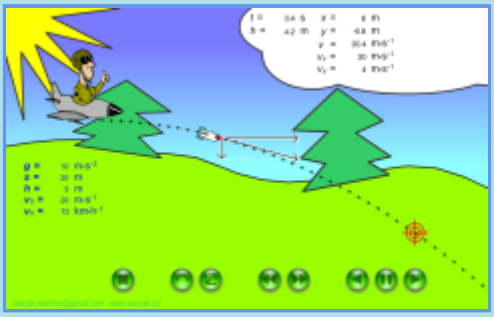


Njutnova cijev

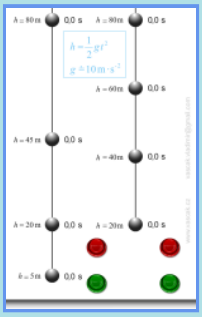


Horizontalni hitac

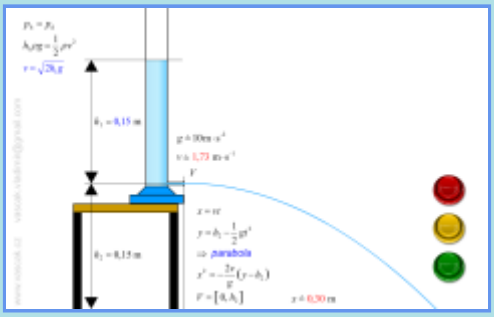
Horizontalni hitac 2



Slobodni pad eksperiment

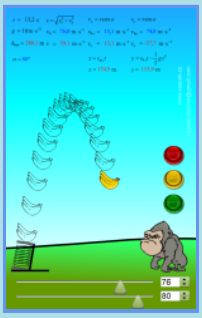


Isticanje kroz otvore

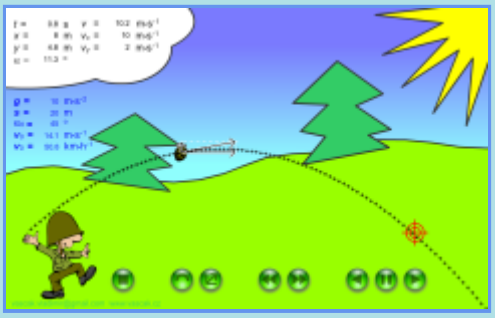


Vertikalni hitac

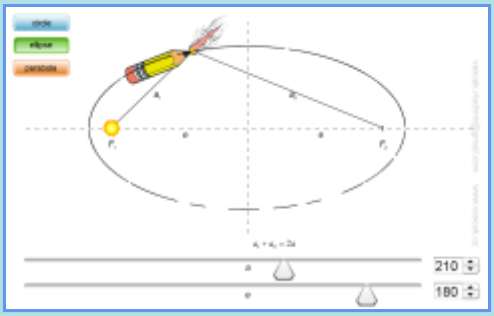
Kosi hitac



Kosi hitac - granata



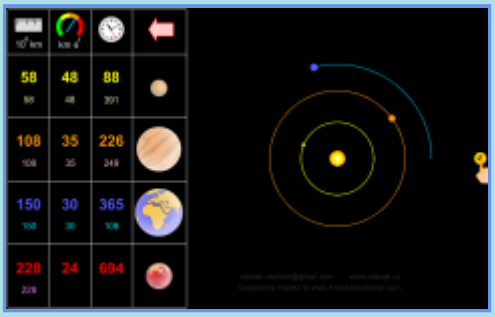
Putanja kretanja nebeskog...



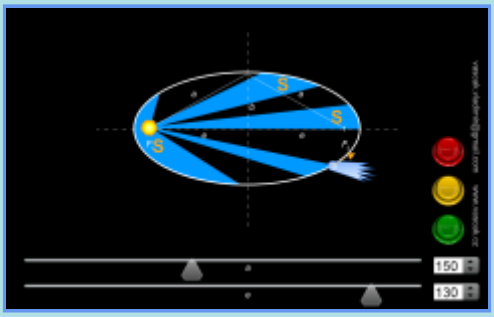
Njutnov top

Geostacionarni satelit

Prvi Keplerov zakon



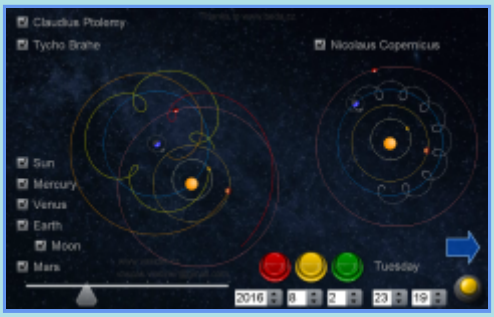
Drugi Keplerov zakon



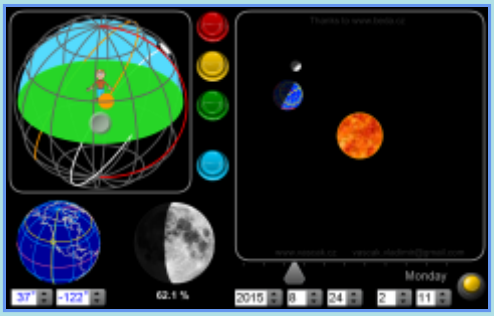
Treći Keplerov zakon - un...

Treći Keplerov zakon - sp...

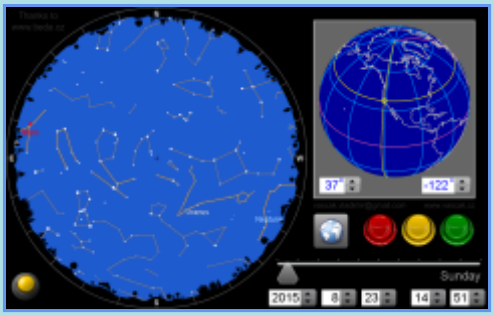
Sunčev sistem



Mjesečeve mijene

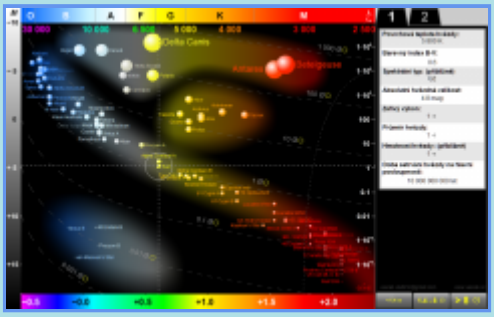


Sazviježđe



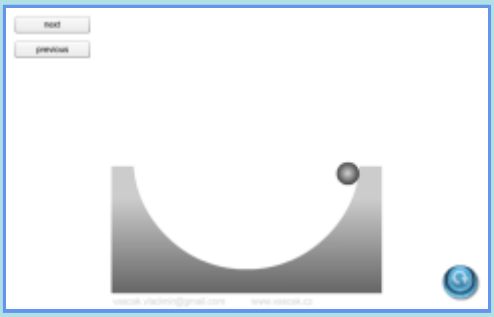
Keplerovi zakoni

Hertzsprung-Russellov dij...

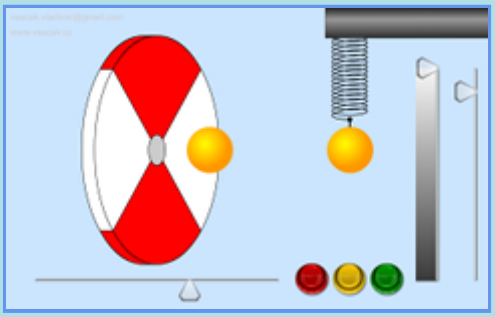


Mehaničke oscilacije i talasi

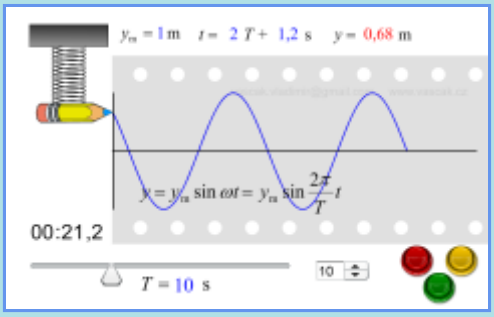
Oscilator



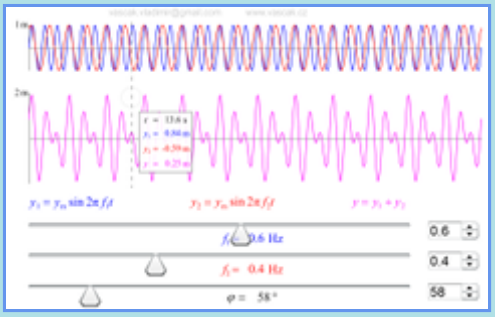
Kružno kretanje



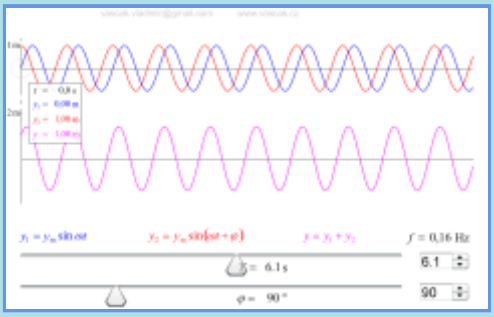
Harmonijsko oscilovanje



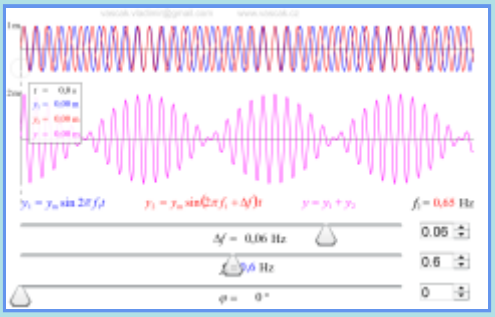
Slaganje oscilacija



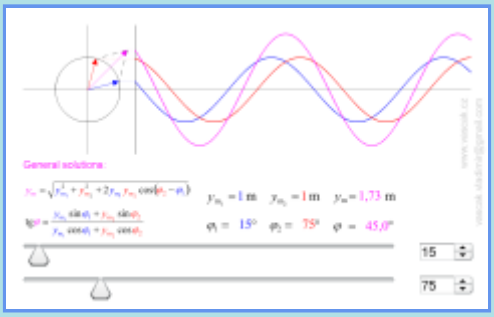
Slaganje oscilacija jedna...



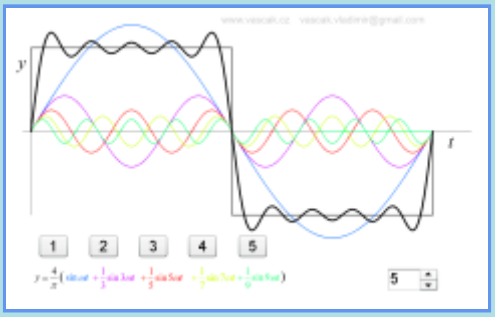
Slaganje oscilacija blisk...



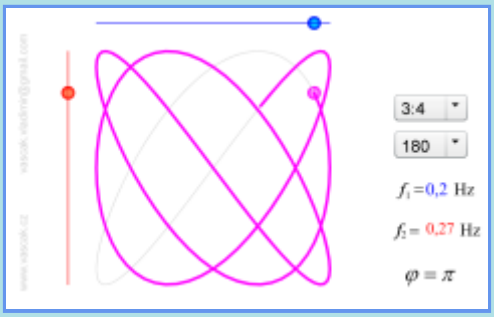
Faza oscilovanja



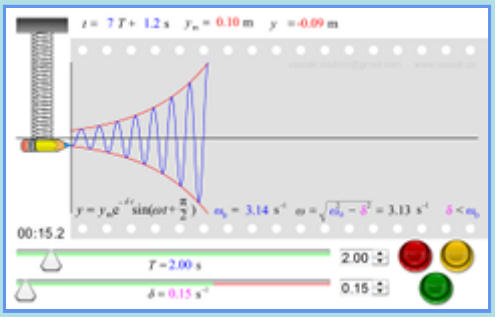
Pravougaoni signal



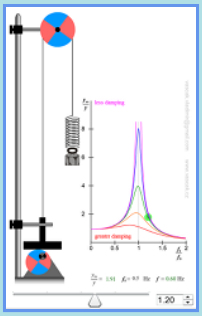
Lisažuova kriva



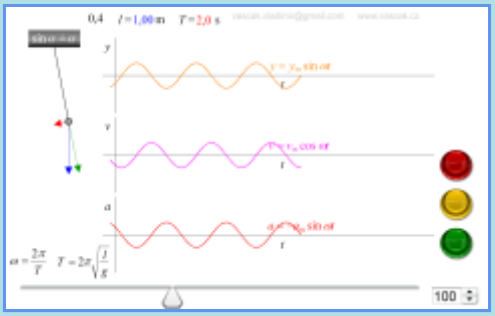
Prigušene oscilacije



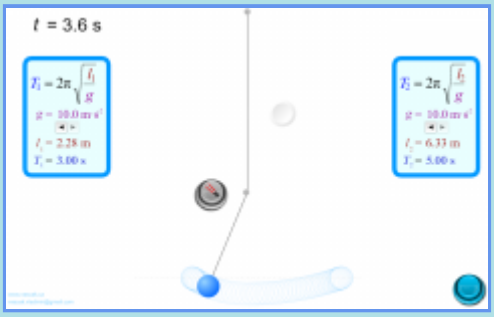
Prinudne oscilacije



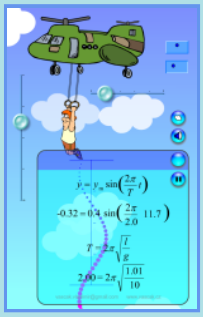
Matematičko klatno



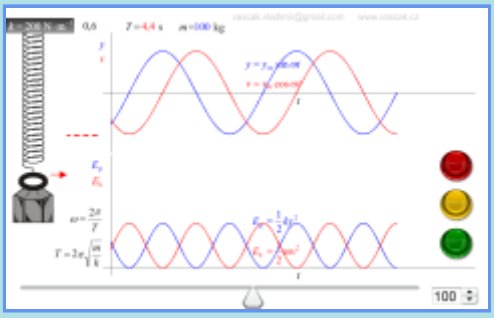
Matematičko klatno - Noka...



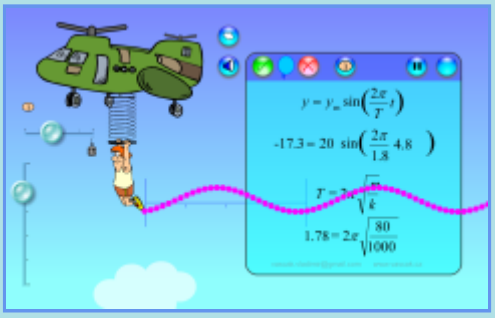
Matematičko klatno - Heli...



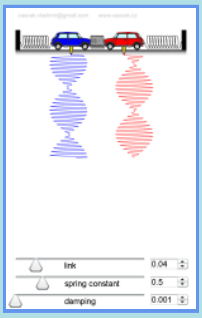
Harmonijski oscilator



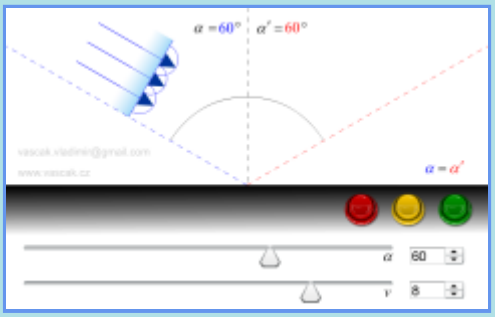
Harmonijski oscilator - H...



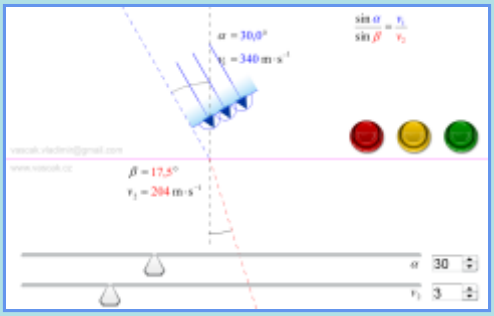
Spregnuti oscilatori



Refleksija (odbijanje)



Refrakcija (prelamanje)



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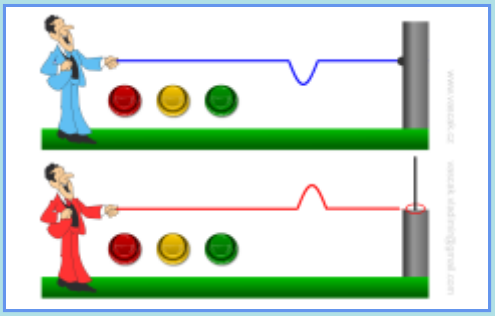
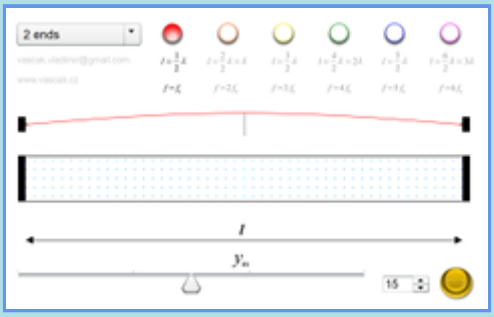
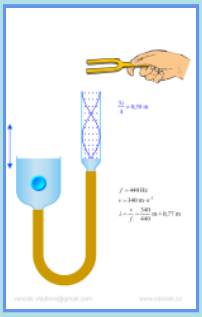


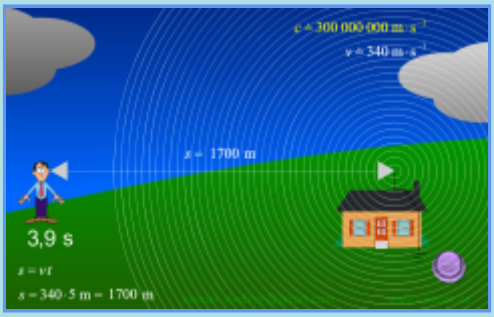
Stojeći talas



Rezonancija



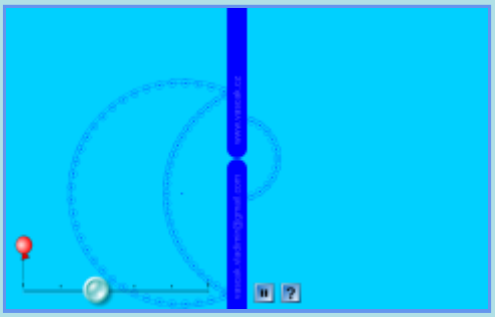
Brzina zvuka



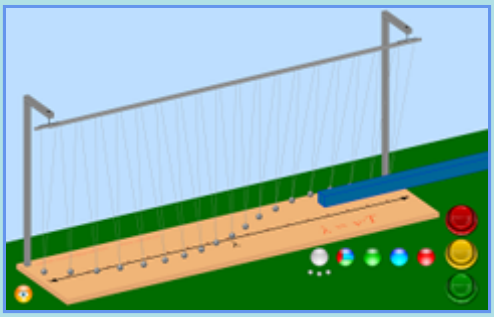
Doplerov efekat

Udarni talas

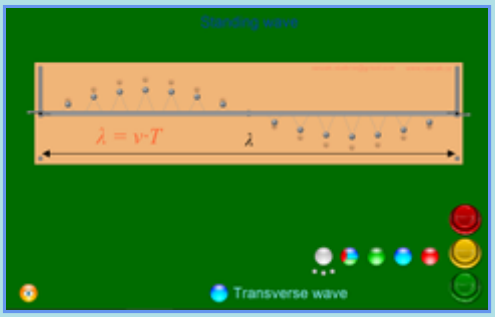
Hajgensov princip



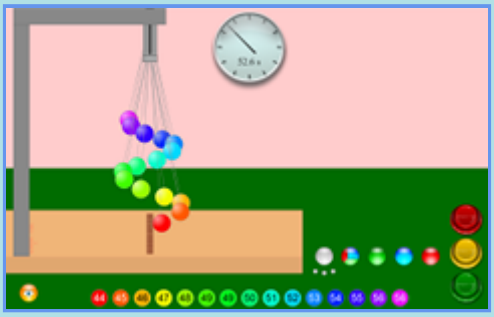
Talasno klatno



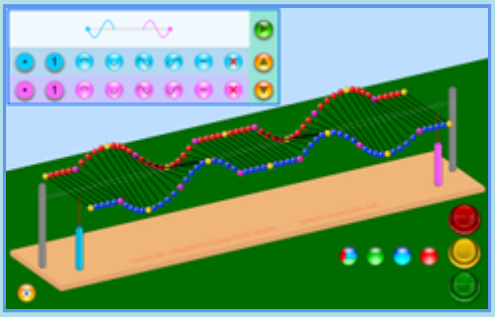
Stojeći talas



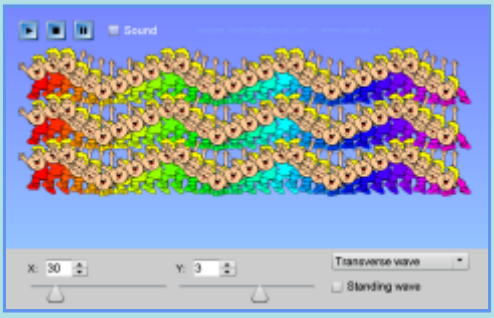
Zanimljiv efekat talasa k...



Talasna mašina



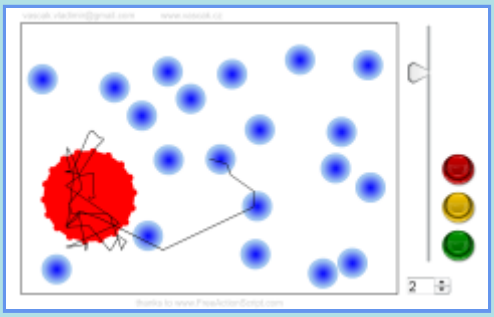
Talas



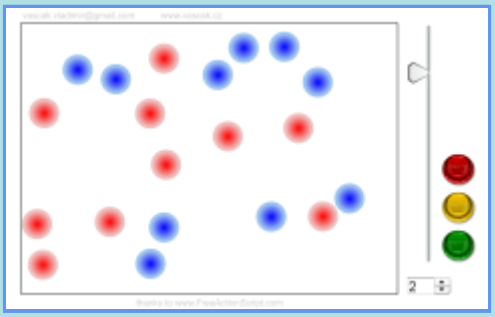
Zvuk

Molekularna fizika i termodinamika

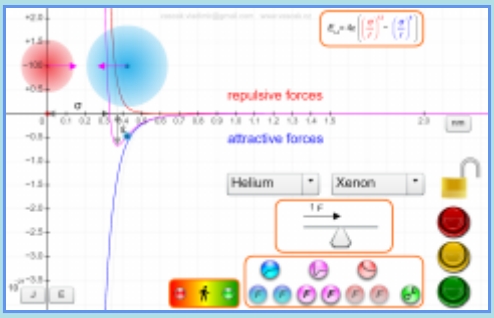
Braunovo kretanje



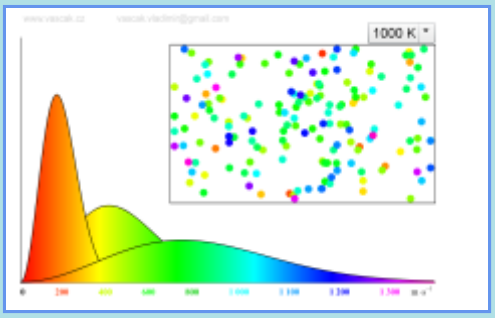
Difuzija



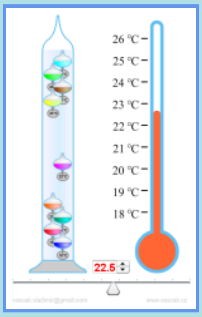
Interakcija između atoma



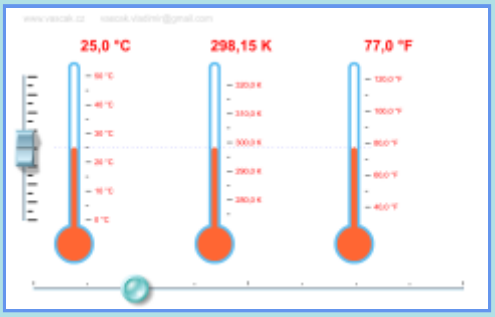
Maksvelova raspodjela brz...



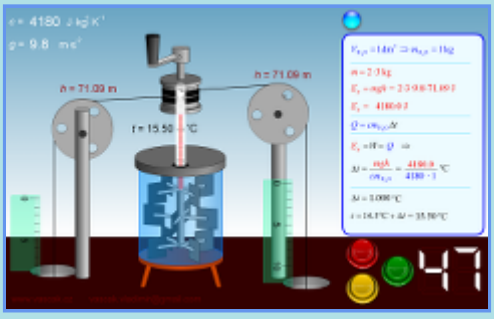
Galilejev termometar



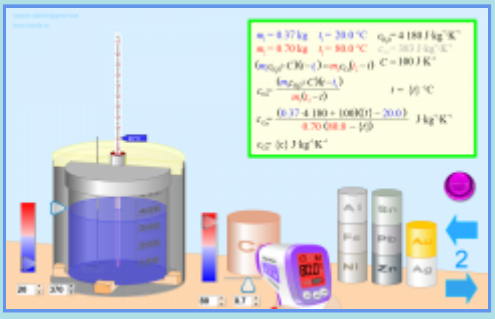
Temperaturna skala



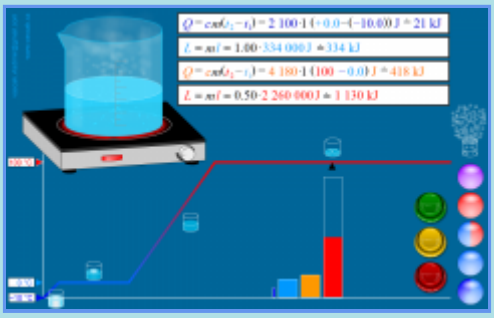
Mehanički ekvivalent topl...



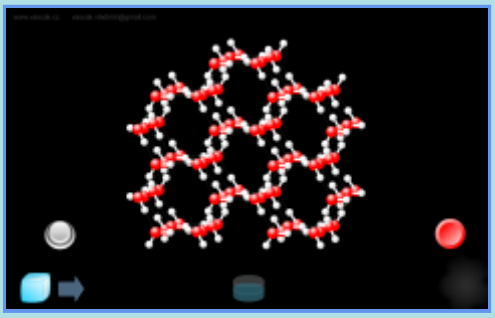
Kalorimetar



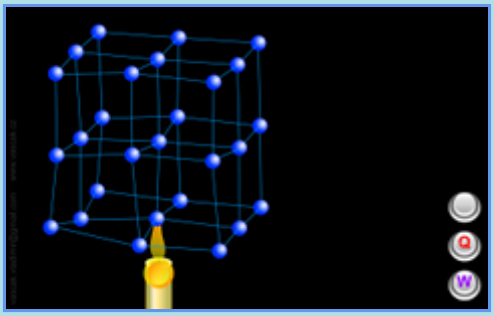
Agregatno stanje



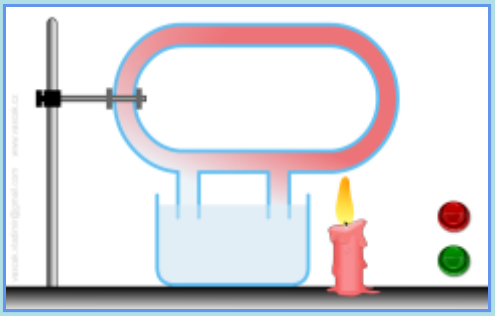
Agregatno stanje - voda



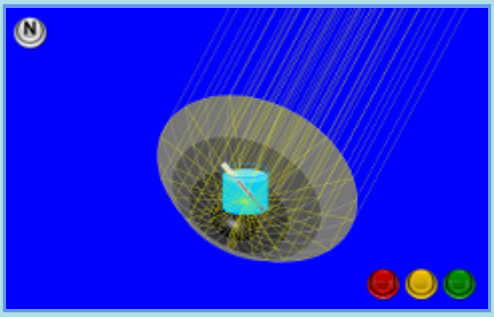
Unutrašnja energija



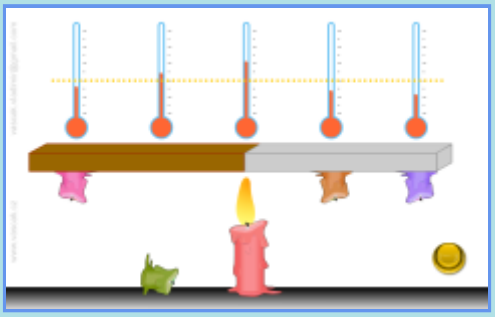
Prijenos toplote konvekci...



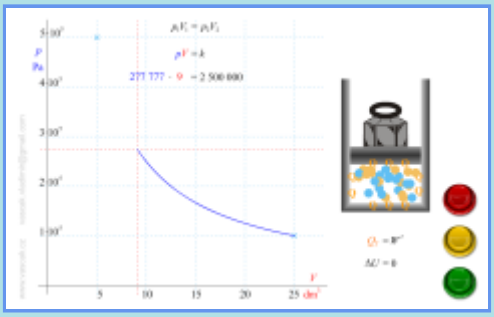
Prijenos toplote zračenje...



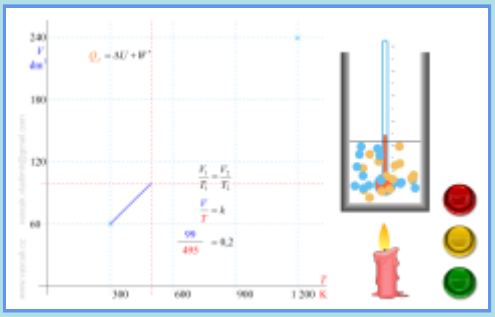
Prijenos toplote kondukci...



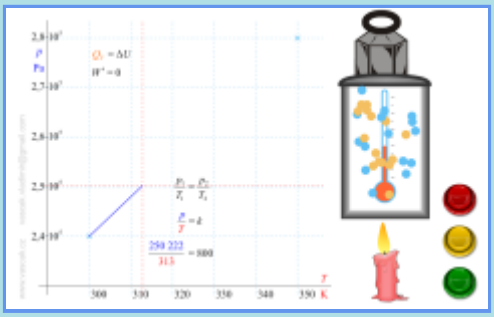
Izotermski proces



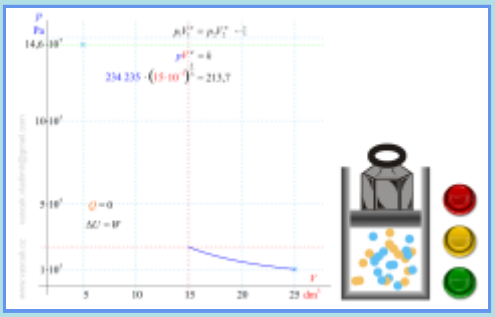
Izobarski proces



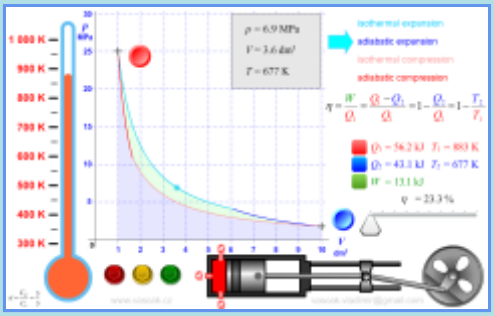
Izohorski proces



Adijabatski proces

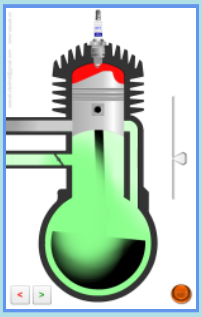


Karnoov ciklus

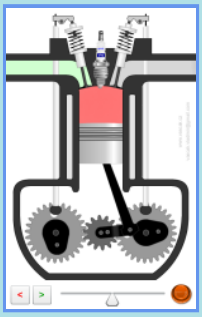


Parna lokomotiva

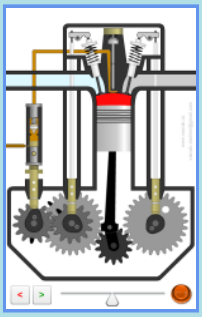
Dvotaktni motor



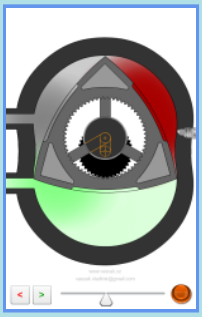
Četvorotaktni motor



Dizelov motor

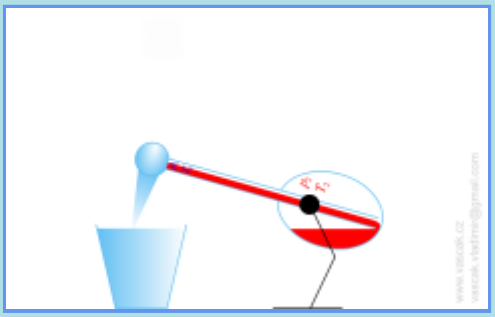


Vankelov motor

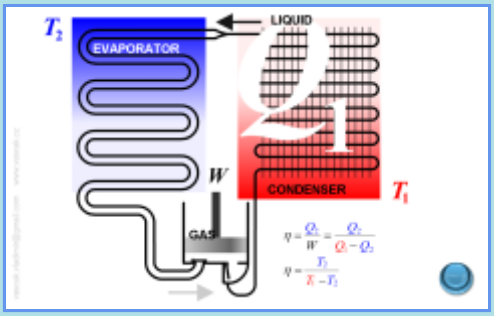


Perpetuum mobile

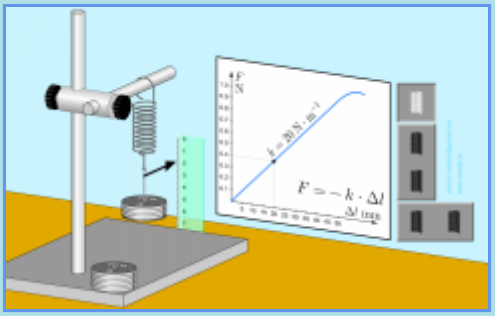
Perpetuum mobile igračka



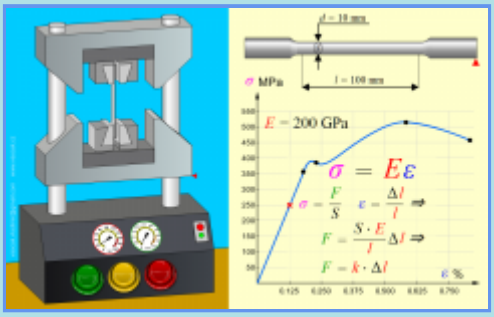
Hladnjak



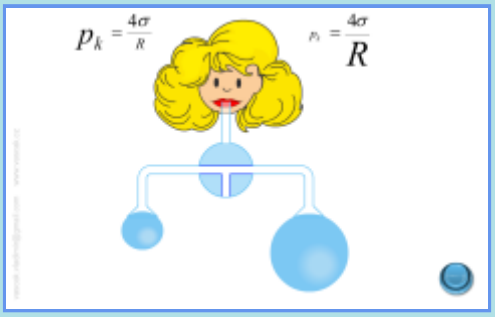
Hookeov zákon - 1



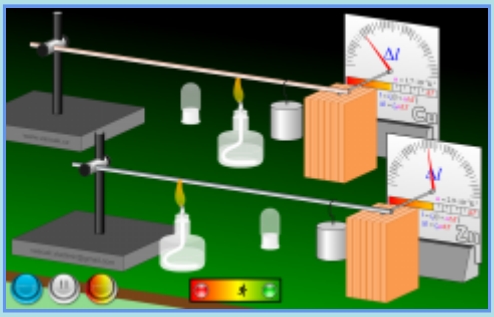
Hookeov zákon - 2



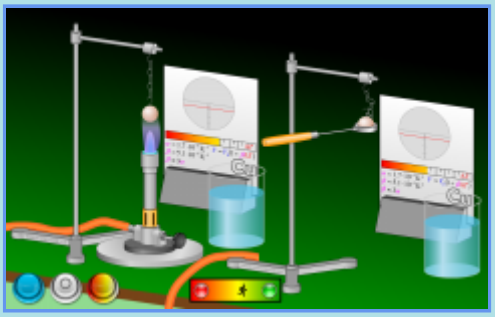
Kapilarnost



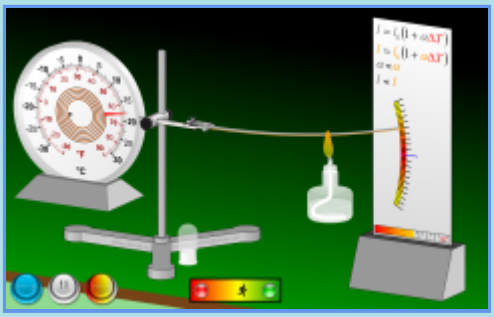
Termičko istezanje



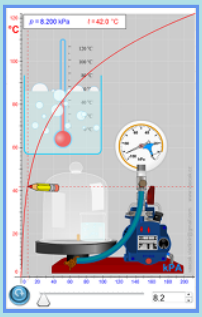
Termičko istezanje



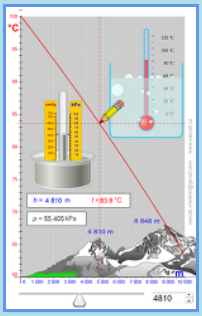
Bimetal



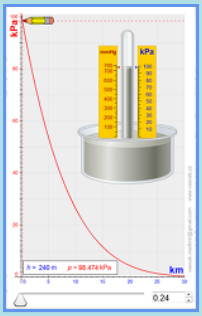
Tačka ključanja - Atmosfe...



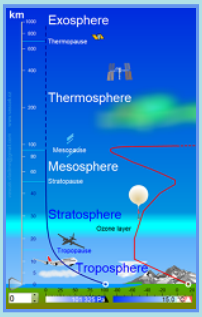
Tačka ključanja - Apsolut...



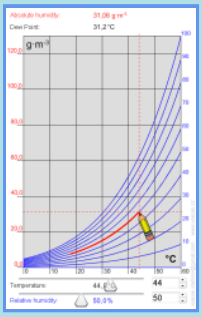
Atmosferski pritisak - Ap...



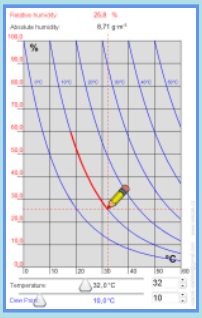
Zemljina atmosfera



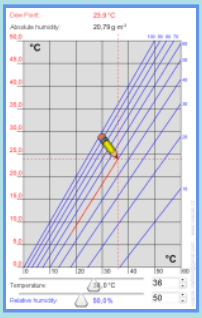
Apsolutna vlažnost



Relativna vlažnost



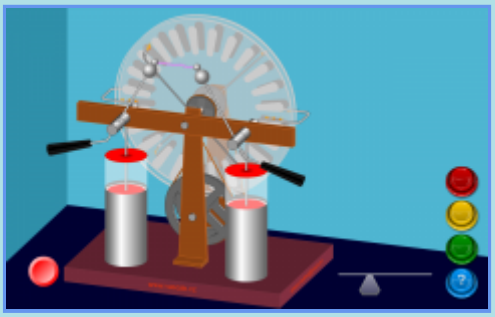
Tačka rose (rosište)



Elektrostatika

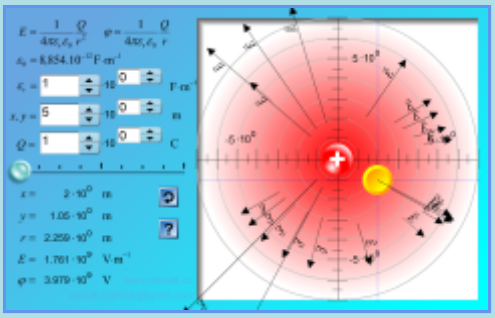
Coulombov zákon

Wimshurst mašina

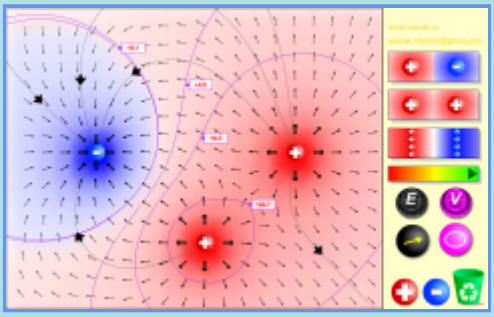


Generator Van de Graaff

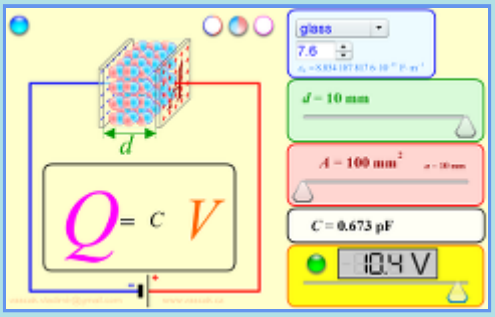
Električno polje



Električna polja tačkasti...

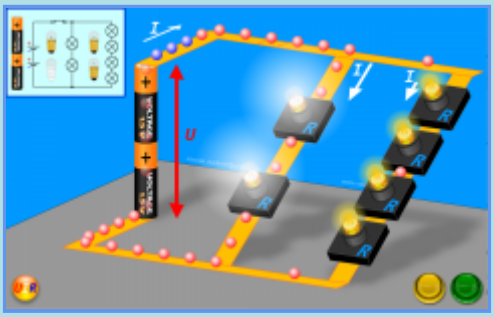


Kondenzator

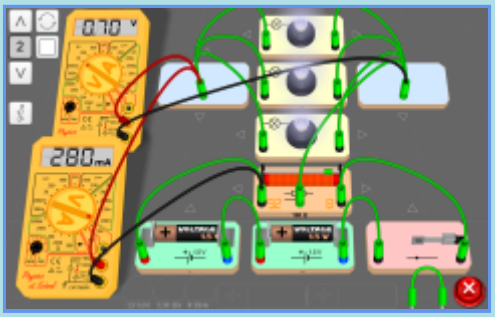


Električna struja

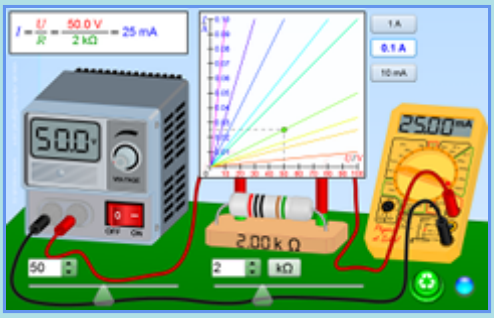
Napon, struja i otpor



Električna kola

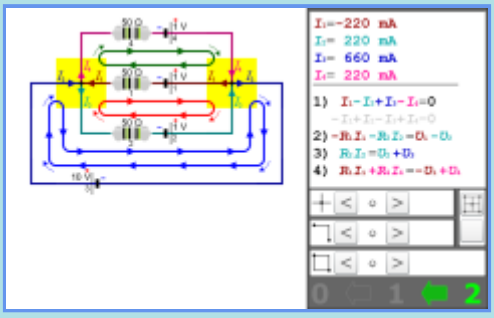


Omov zakon



Unutrašnji otpor

Кирhofova pravila



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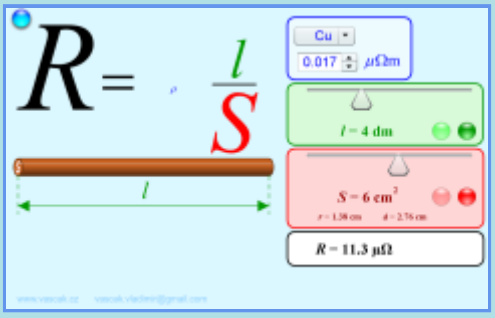
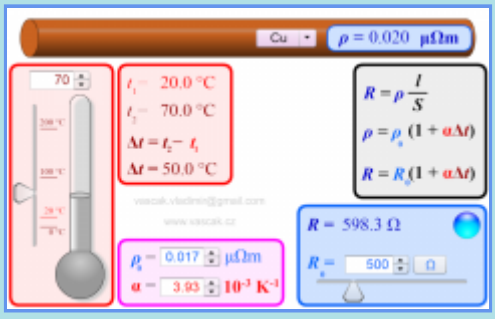


Temperaturni koeficijent ...



Poluprovodnici

Termistor

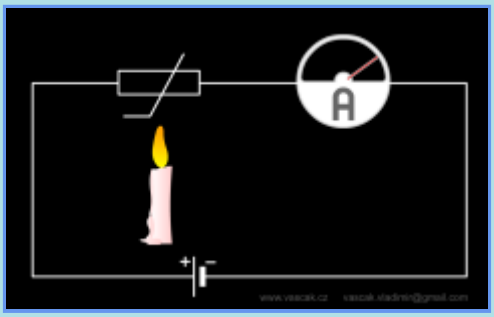
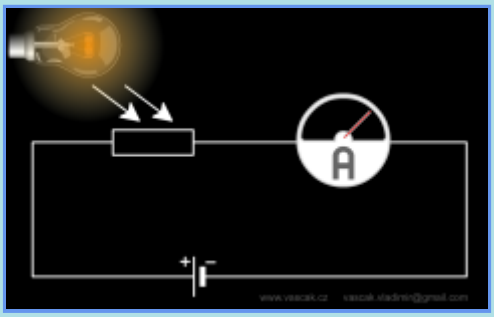
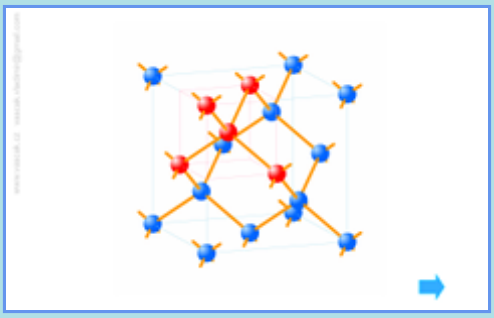


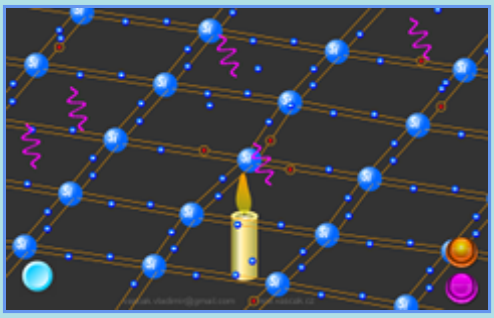
Foto-otpornik



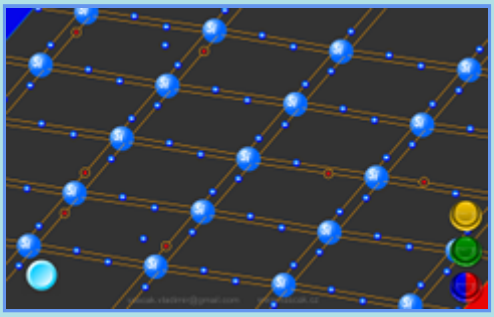
Silicijum



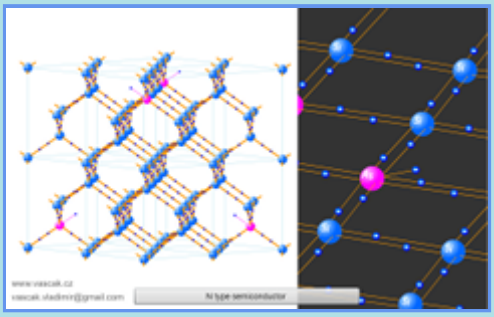
Generacija i rekombinacij...



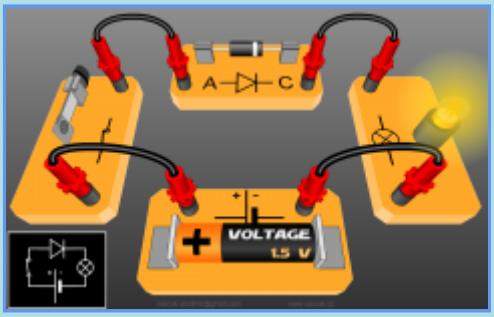
Čisti poluprovodnici



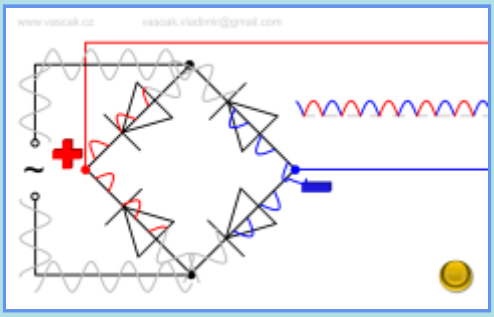
Poluprovodnici



Dioda

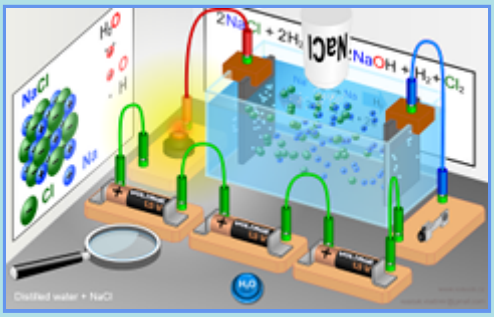


Ispravljač

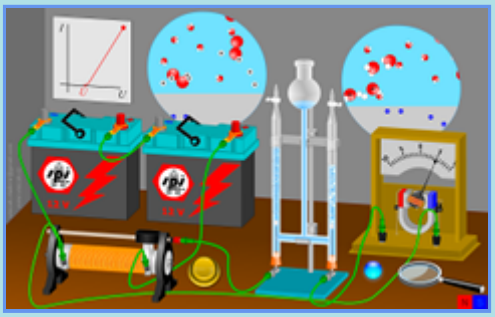


Struja u tečnostima

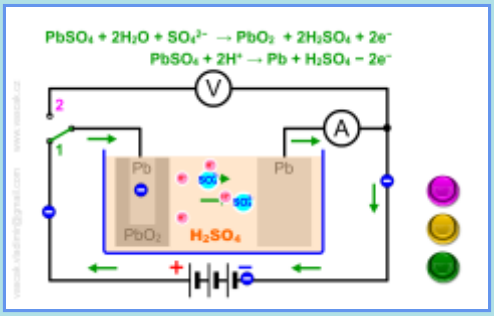
Elektrolitička disocijaci...



Elektroliza

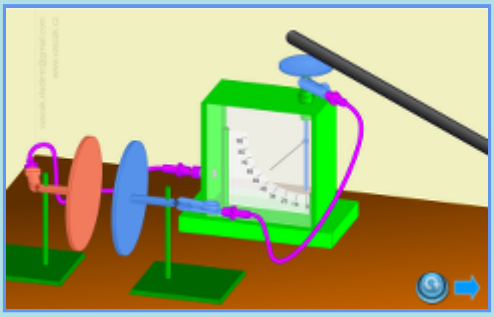


Desulfacija

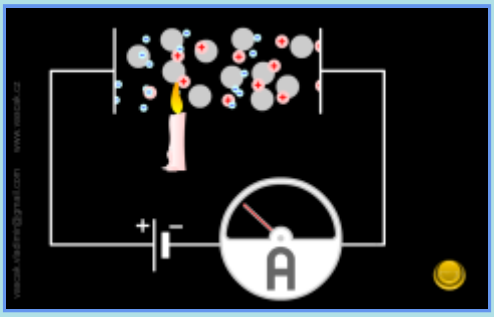


Električna struja u gasovima i vakuumu

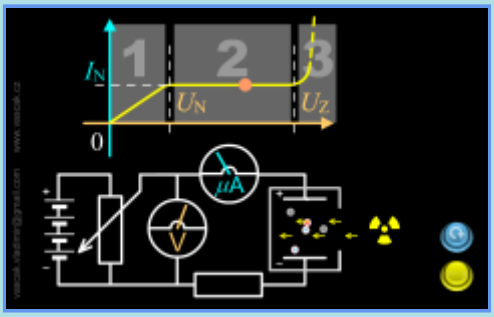
Jonizacija - razelektrisa...



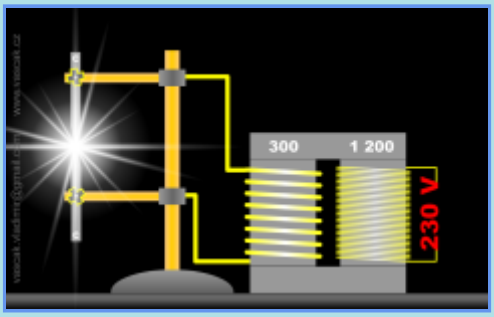
Jonizacija



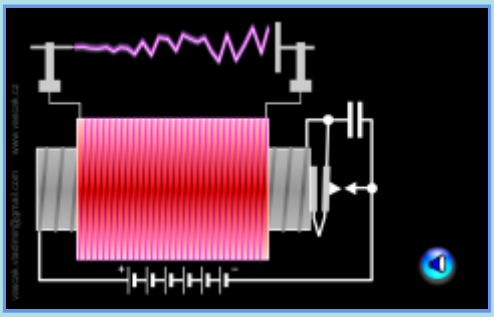
Strujno naponska karakter...



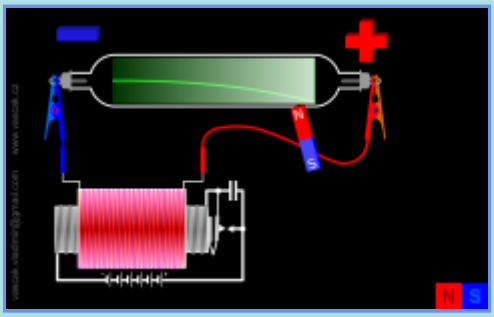
Električni luk



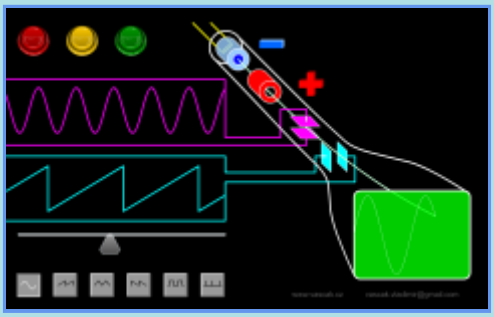
Rumkorfov induktor



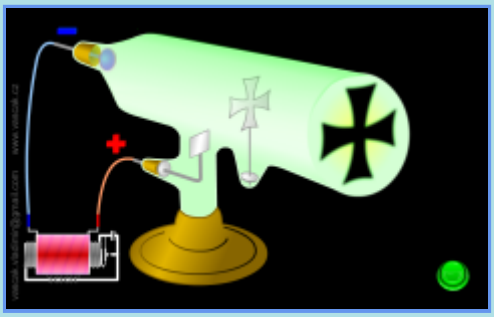
Katodne zrake



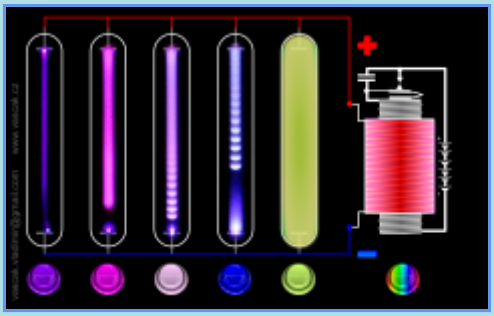
Osciloskop



Katodna cijev

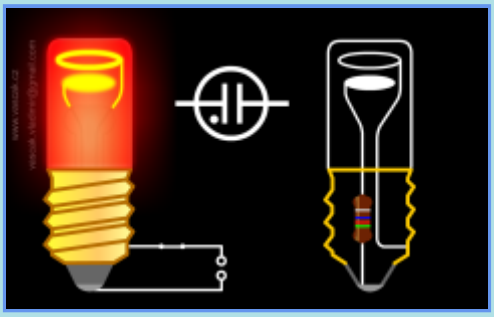


Pražnjenje u razrijeđenim...

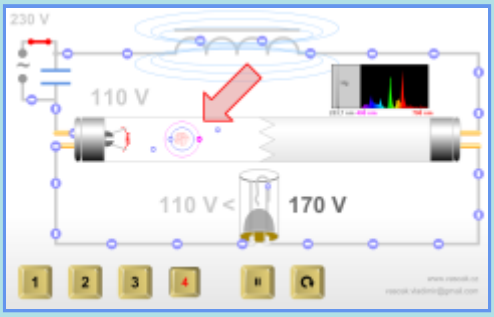


Pirati s Kariba

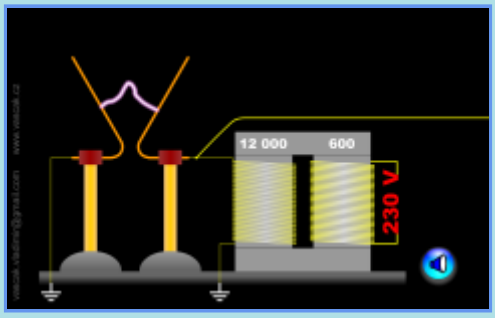
Tinjalica



Fluorescentna svjetiljka

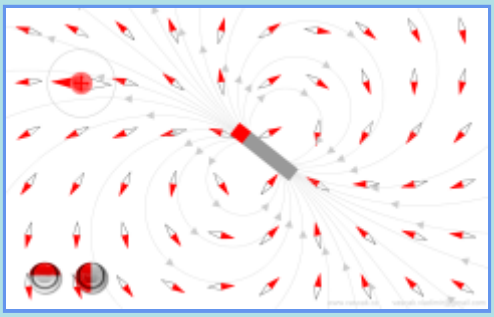


Zaštita od groma

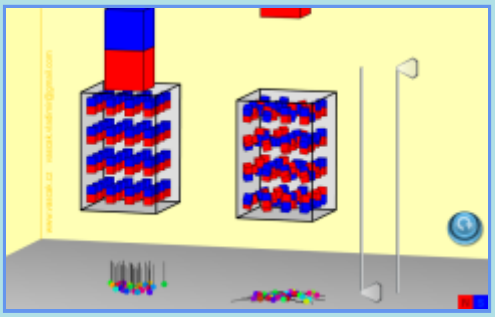


Magnetsko polje

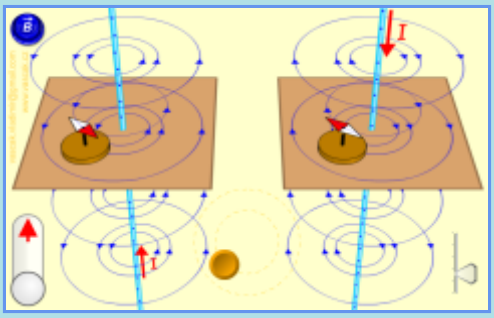
Magnet



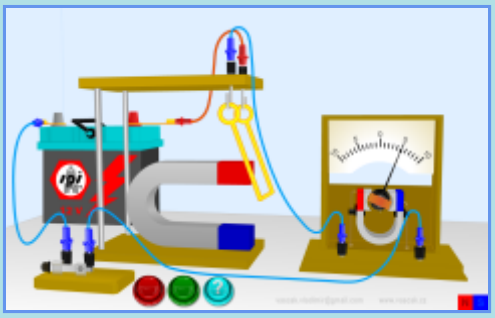
Feromagnetizam



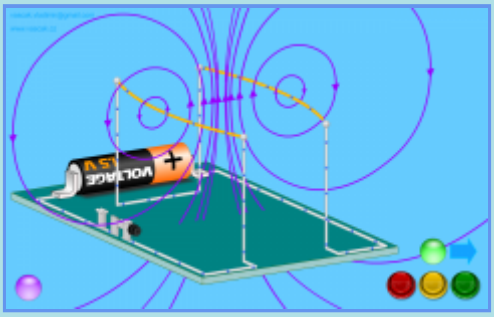
Magnetsko polje pravolini...



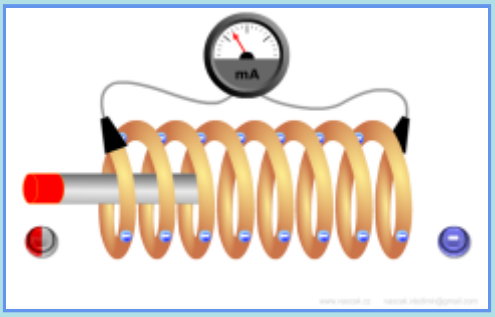
Pravilo lijeve ruke



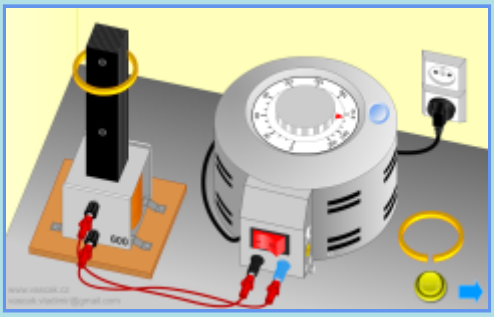
Amperov zakon



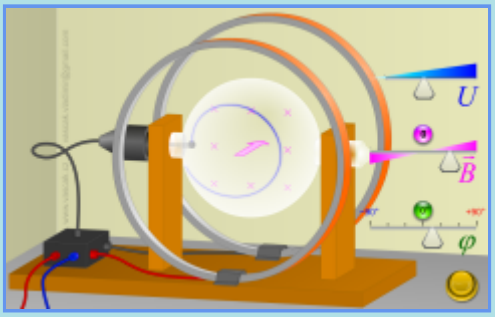
Elektromagnetska indukcij...



Lencovo pravilo

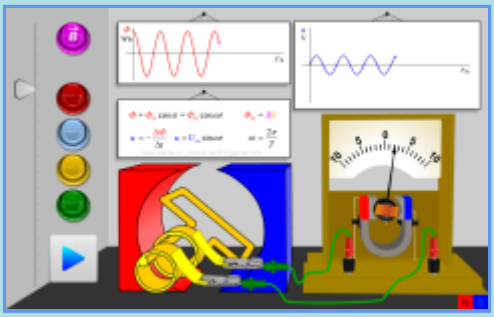


Helmholc zavojnica (solen...

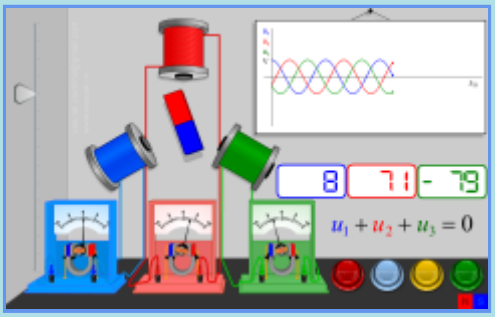


Naizmjenična struja (AC)

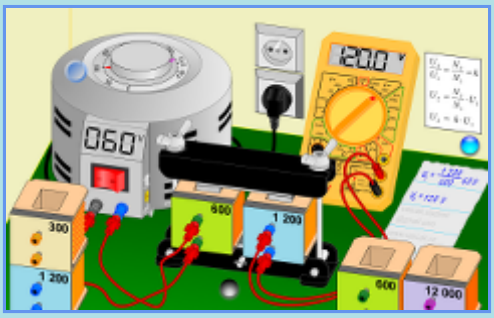
Alternator i dinamo



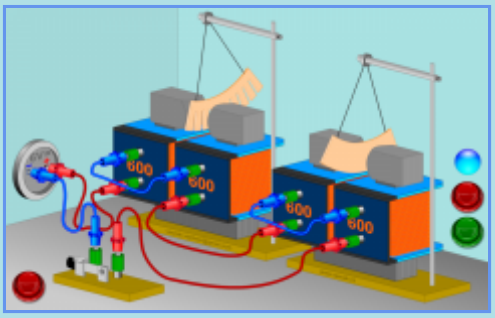
Trofazni generator



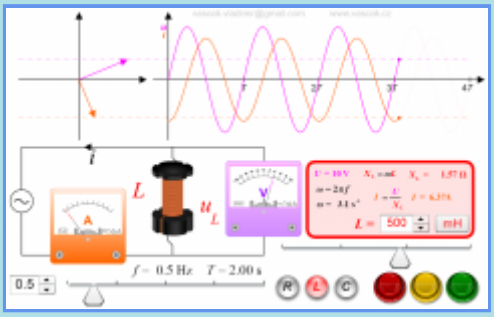
Transformator



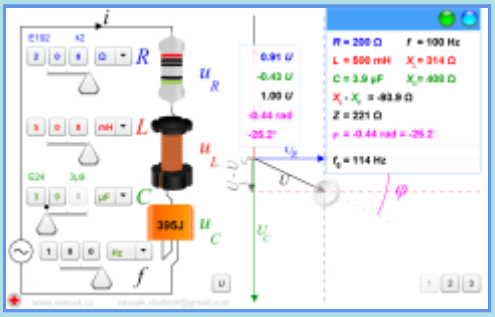
Foucaultove struje



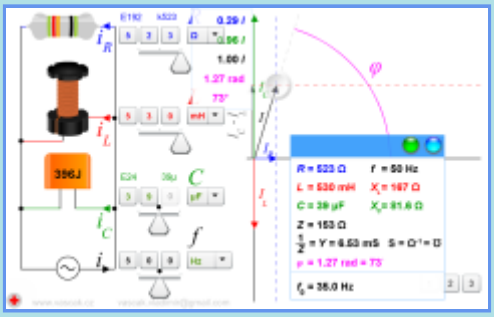
Izmjenični strujni krugov...



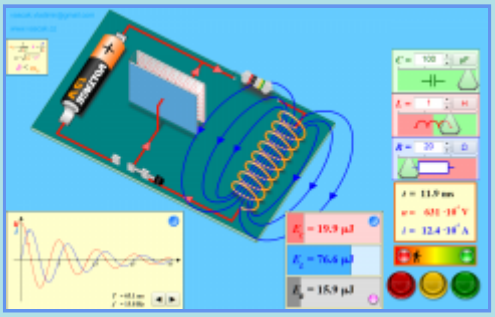
Redno RLC kolo



Paralelno RLC kolo

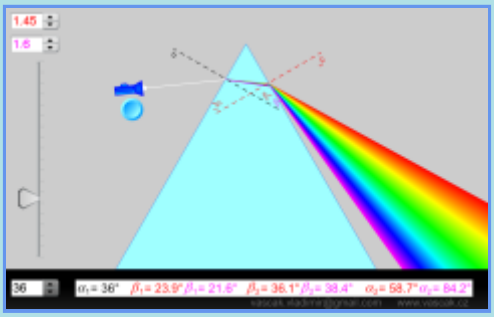


Oscilatorski krug

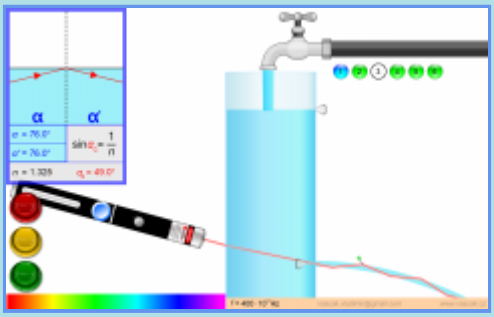


Optika

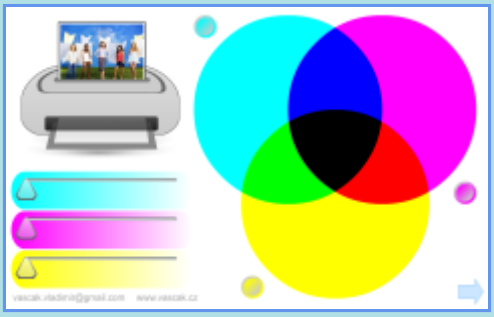
Prizma



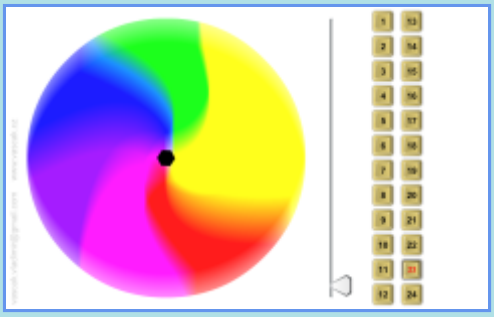
Totalna refleksija



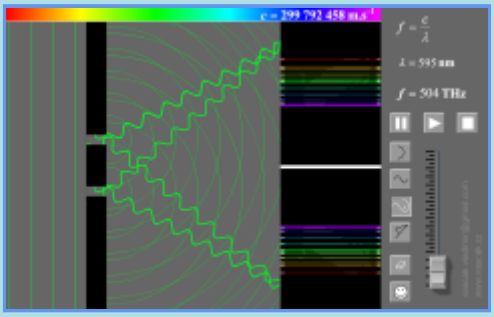
Suptraktivno i aditivno m...



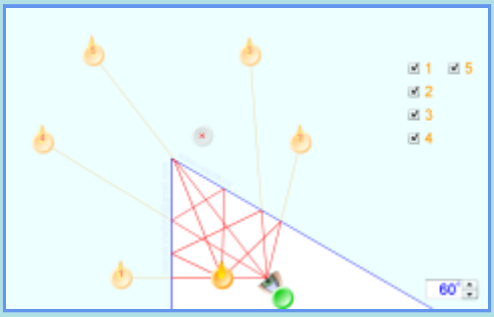
Njutnov disk



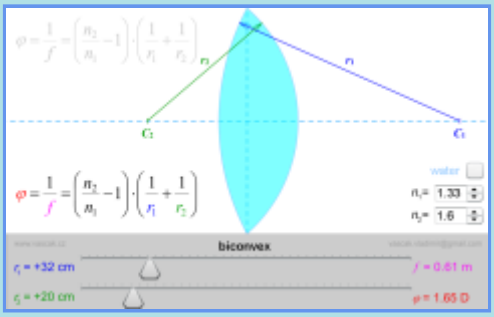
Youngov eksperiment - int...



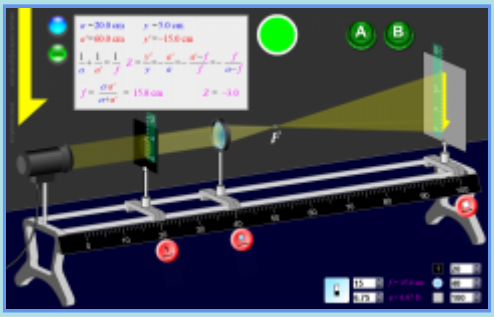
Ogledala



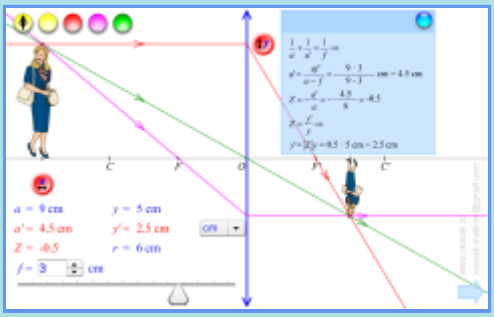
Sočiva



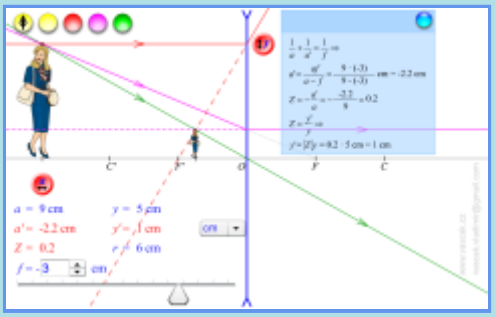
Žižna daljina



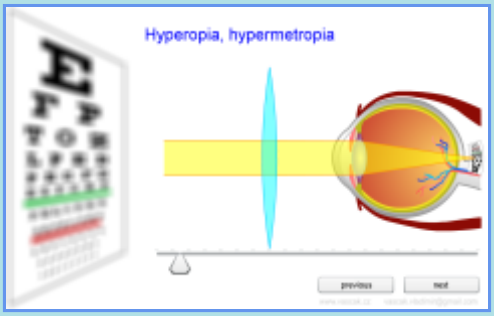
Sabirno (konvergentno) so...



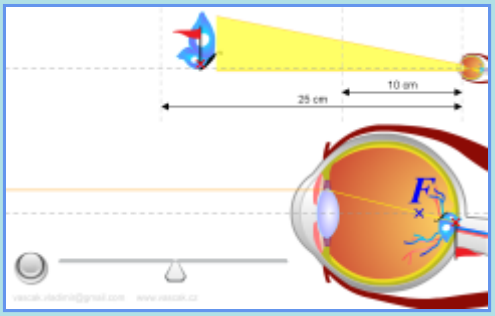
Rasipno (divergentno) soč...



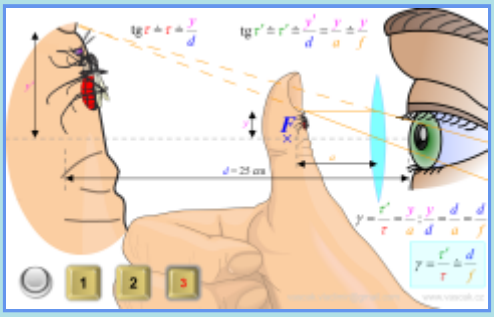
Refrakcijski nedostaci ok...



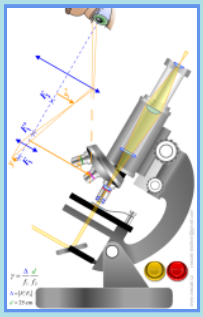
Akomodacija oka



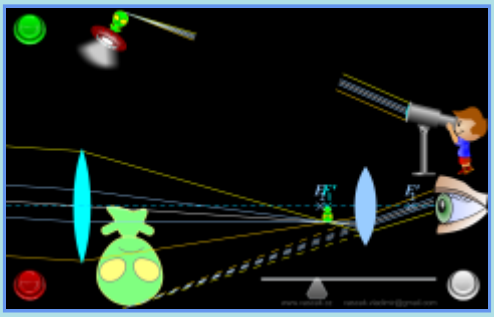
Lupa



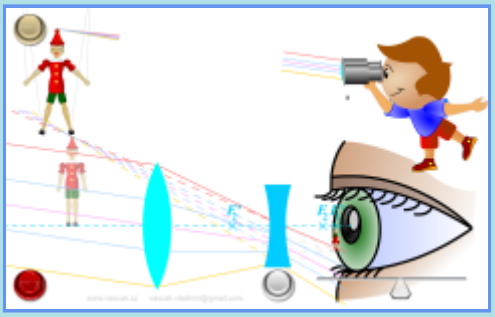
Mikroskop



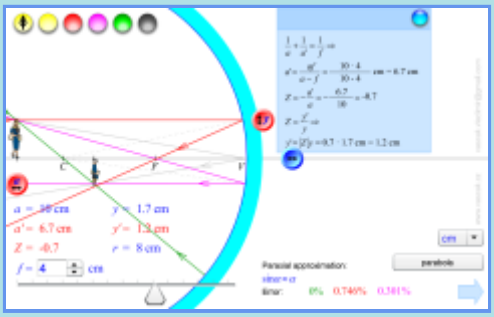
Keplerov (astronomski) te...



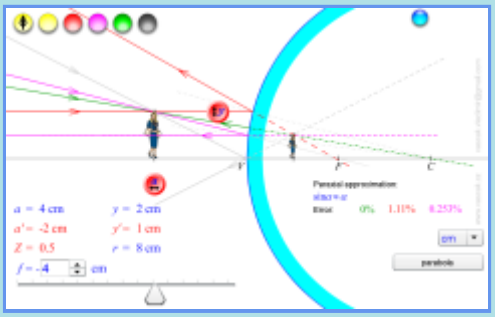
Galilejev (holandski) tel...



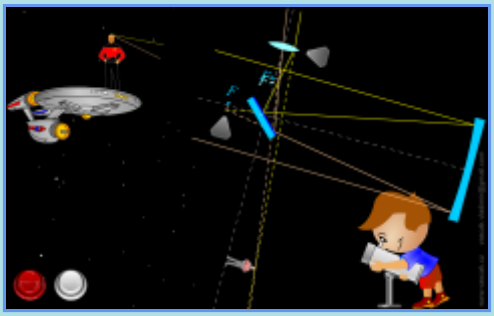
Konkavno ogledalo



Konveksno ogledalo

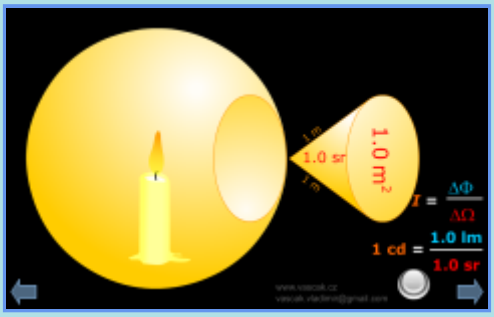


Njutnov teleskop

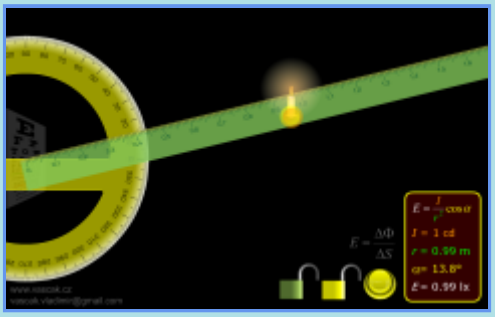


Svjetlosni fluks

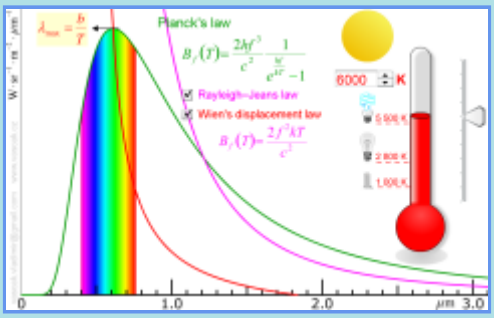
Jačina svjetlosti



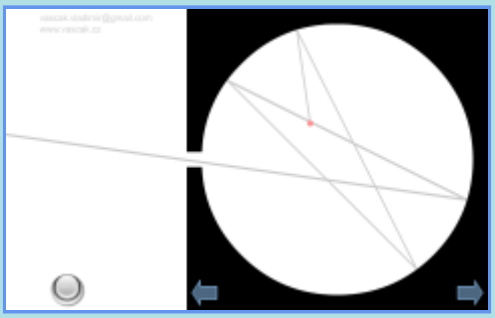
Osvijetljenost (iluminanc...



Crno tijelo

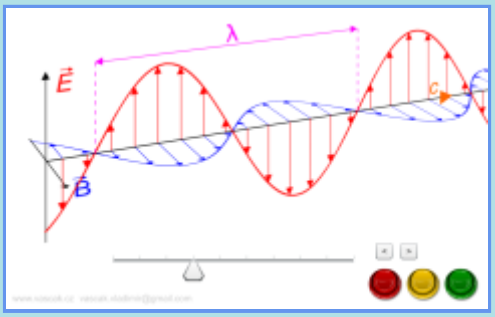


Crno tijelo - model



Fotoelektrični efekat

Elektromagnetski talasi

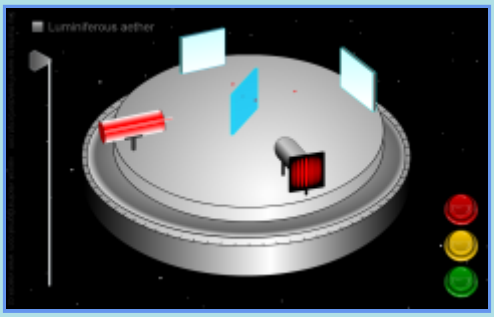


Polarizacioni filter

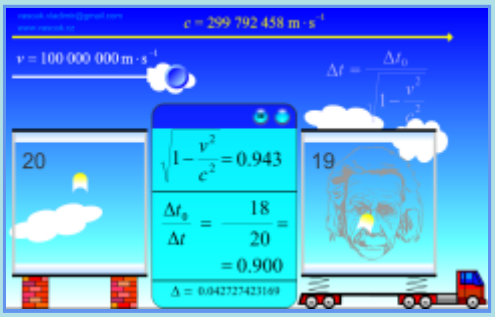
Rendgenska cijev

Specijalna teorija relativnosti

Majkelson-Morlijev eksper...



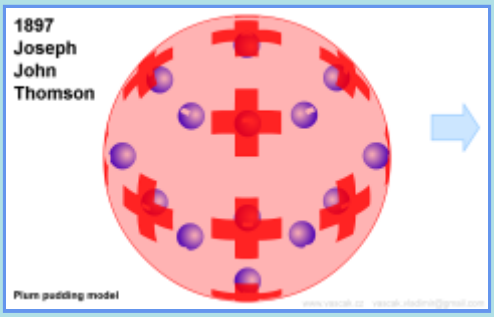
Dilatacija (produženje) v...



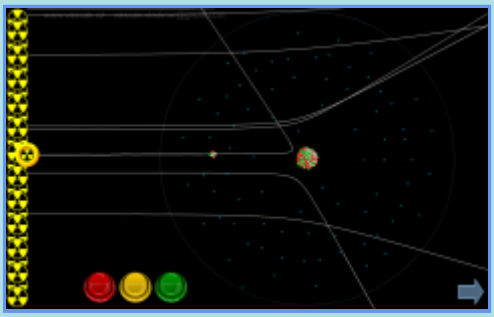
Kontrakcija (skraćenje) d...

Atomska fizika

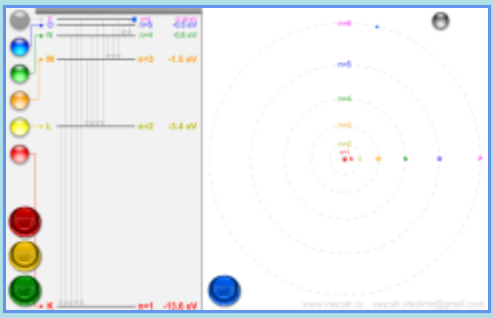
Modeli atoma



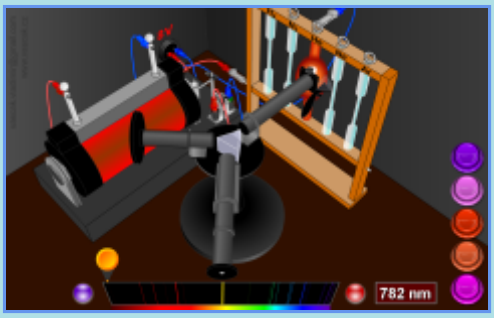
Raderfordovo rasijanje



Borov model atoma

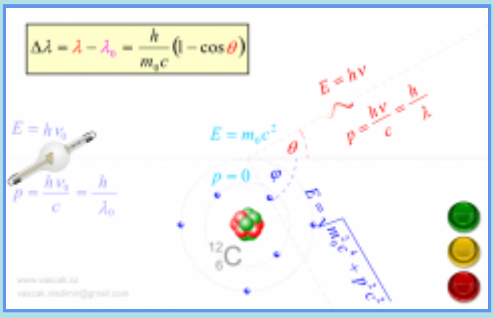


Spektroskop

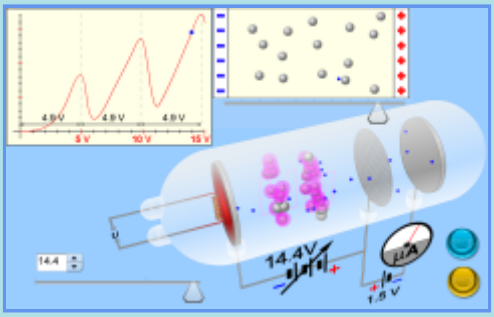


Milikanov eksperiment

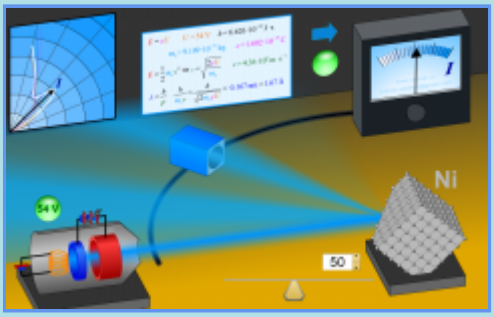
Komptonov efekat



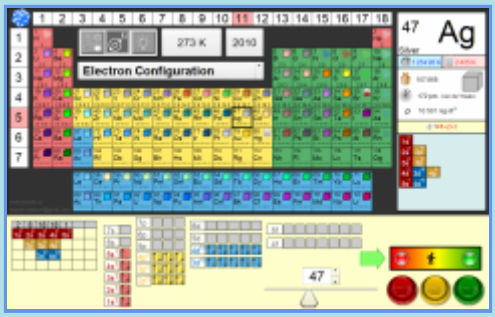
Frank-Hercov eksperiment



Dejvison-Džermerov eksper...

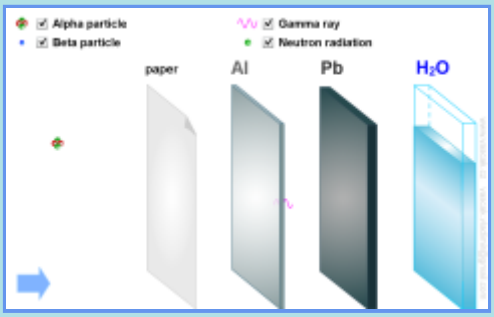


Periodni sistem elemenata



Nuklearna fizika

Radioaktivnost



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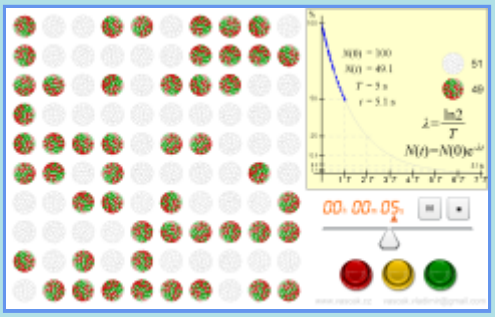

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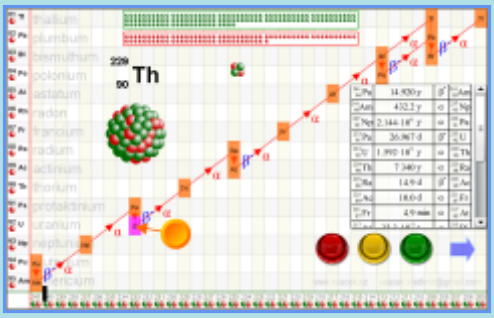

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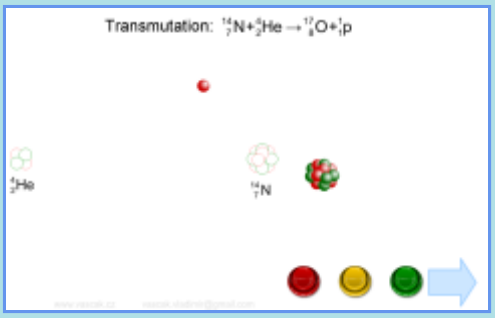
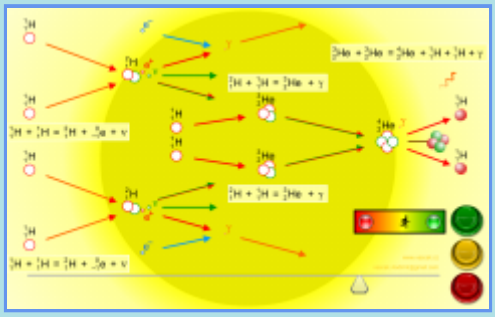
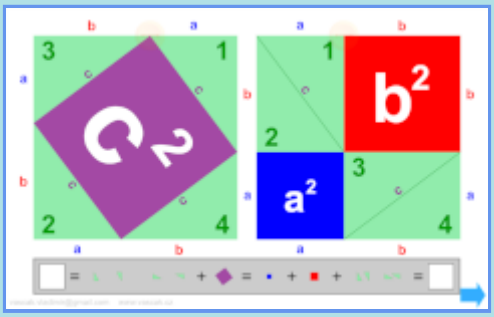


Termonuklearna fuzija - S...



Matematika

Pitagorina teorema



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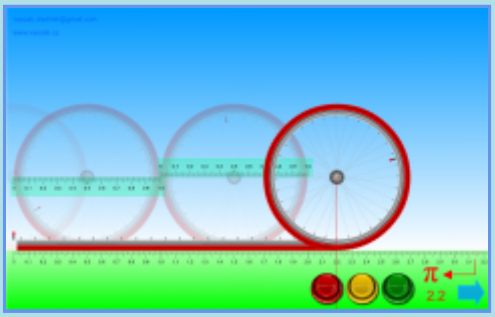
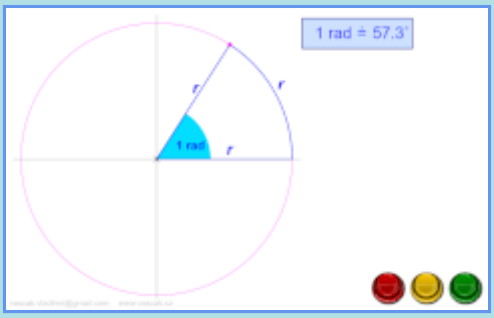
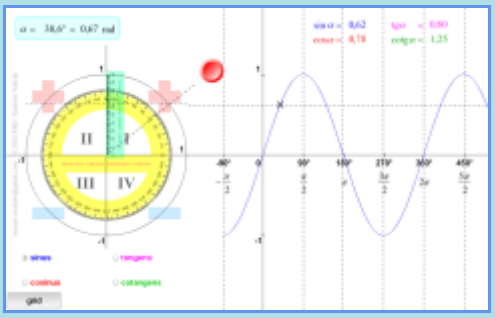


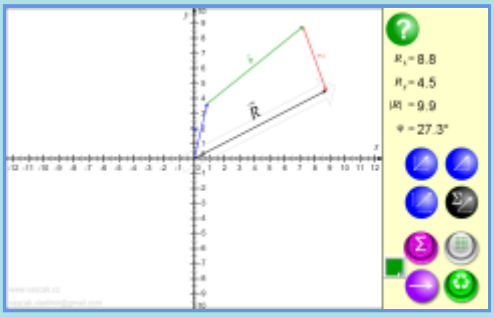
Radian



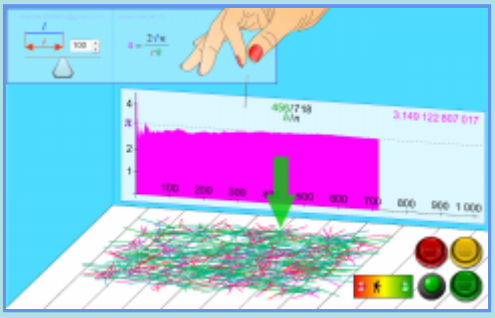
Trigonometrijska (jedinič...



Sabiranje vektora

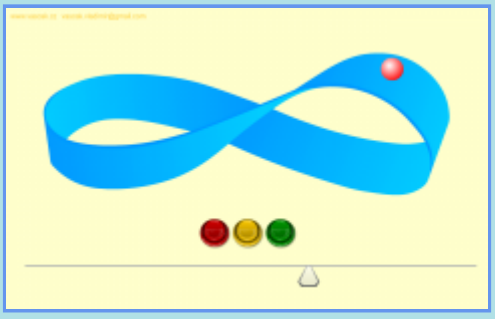


Buffonova igla



Plinko vjerovatnoća

Möbius traka



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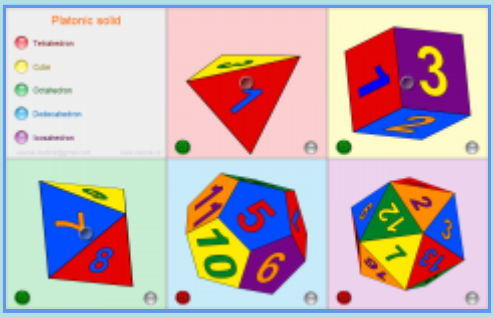
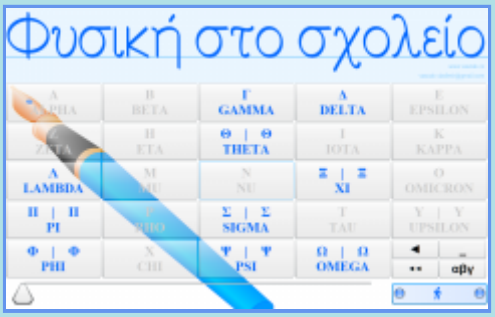
Grčka abeceda