

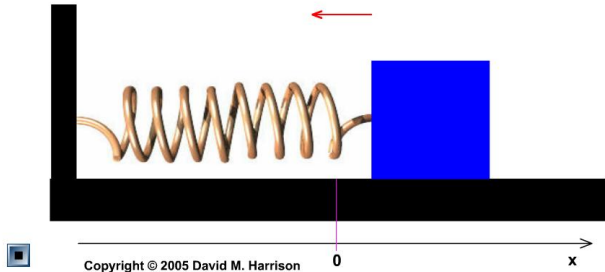
HIGIDURA HARMONIKO SINPLEA

Hooken legea: malgukiaren indar berreskuratzailea

Hooke's Law

We show the force \vec{F} exerted on a mass by a spring

$$F_x = -kx$$

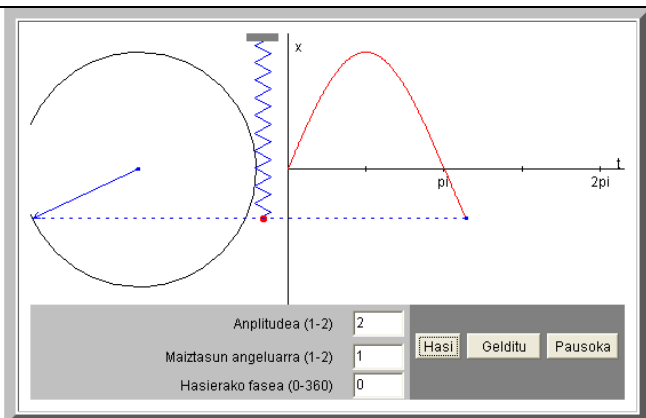


<http://www.upscale.utoronto.ca/GeneralInterest/Harrison/Flash/ClassMechanics/HookesLaw/HookesLaw.swf>

HZrU eta HHSaren arteko erlazioa



<http://www.youtube.com/watch?v=Cw9eFeVY74I>



<http://www.sc.ehu.es/sbweb/fisika/oscilaciones/circular/oscila1.htm>

Movimiento Armónico Simple: Introducción

Foco luminoso (haces paralelos)

lanzar

reiniciar

Velocidad angular

1.2 rad/s

0,5

5,0

www.educaplus.org

<http://www.educaplus.org/play-121-Movimiento-arm%C3%B3nico-simple.html>

Related Applet

Parameters

Frequency

View

Show X-Proj

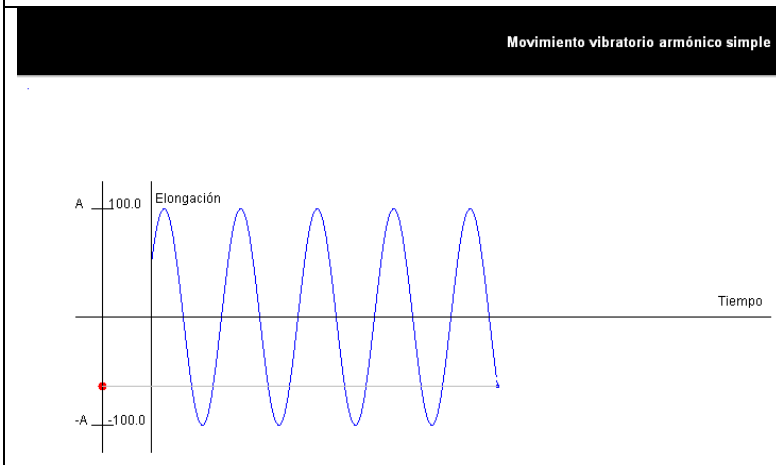
Show Y-Proj

Animation

Stop

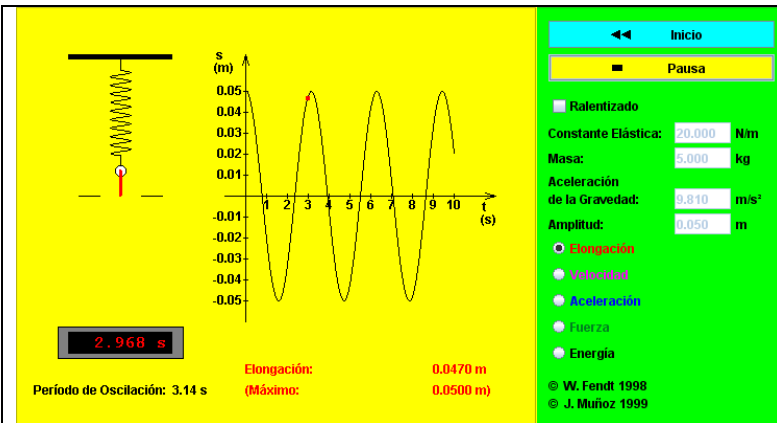
<http://www.surendranath.org/Applets/Oscillations/SHM/SHM.html>

HHSaren x/t grafikoa eta ezaugarriak:

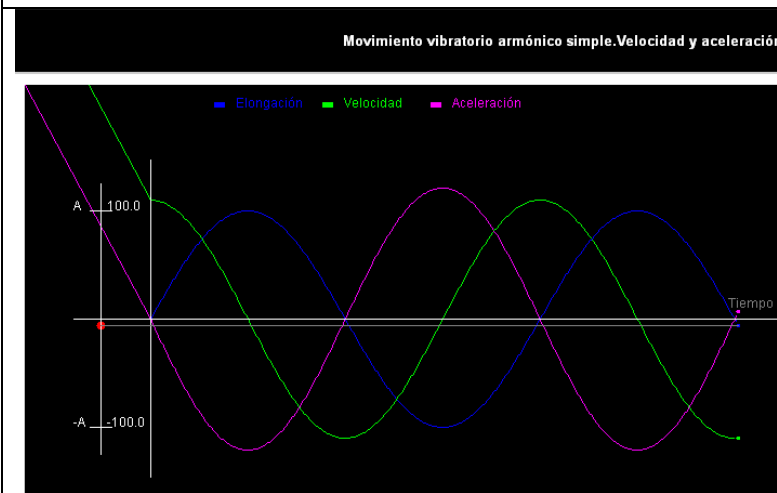


http://enebro.pntic.mec.es/~fmag0006/op_applet_17.htm

HHSaren x/t , v/t eta a/t grafikoak:

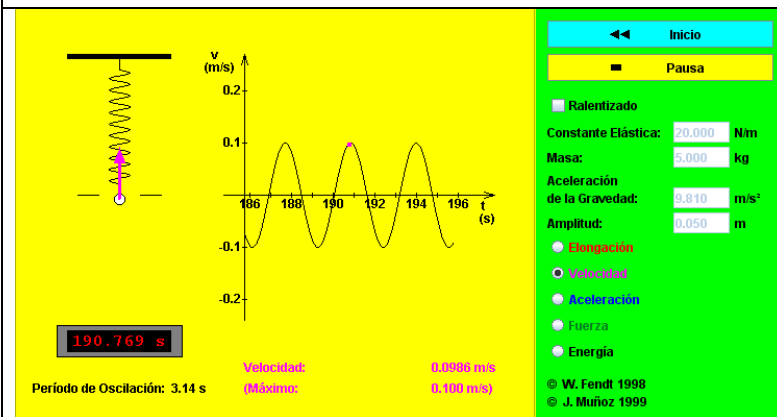


http://www.walter-fendt.de/ph14s/springpendulum_s.htm



http://enebro.pntic.mec.es/~fmag0006/op_applet_18.htm

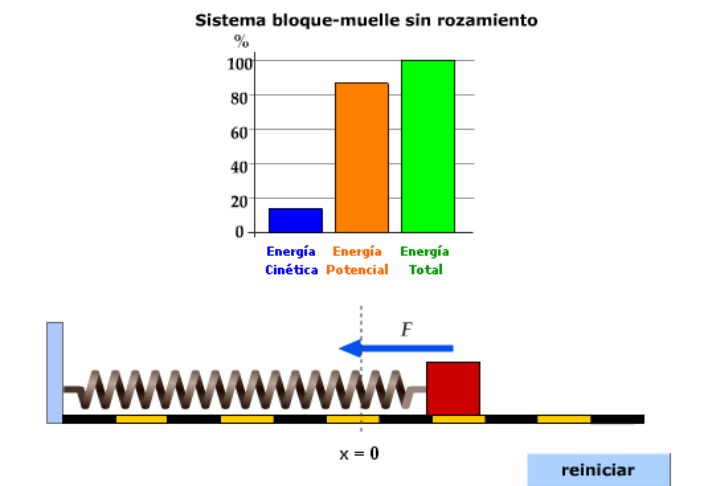
HHS elongazioa, abiadura, azelerazioa, indarra, energia



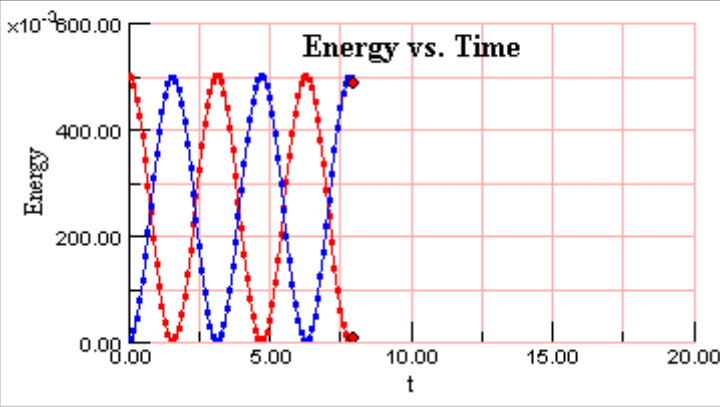
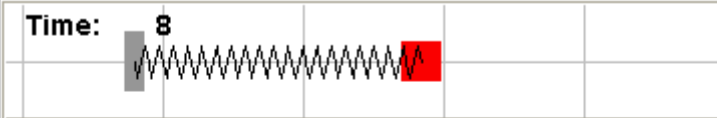
http://www.walter-fendt.de/ph14s/springpendulum_s.htm

Energia

Movimiento Armónico Simple: Conservación de la Energía



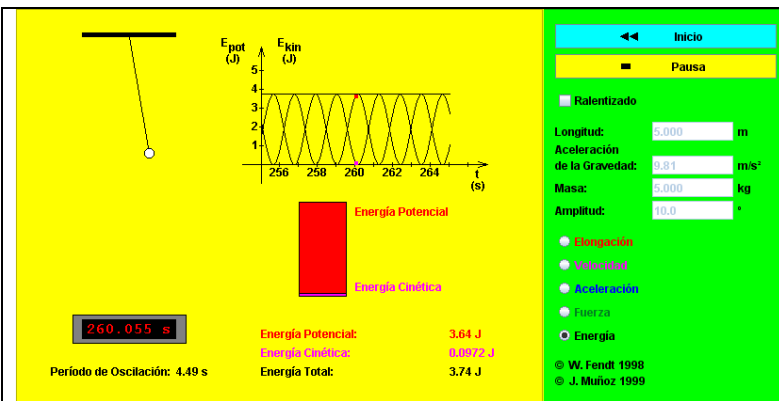
<http://www.educaplan.org/play-114-La-energ%C3%ADa-en-el-movimiento-arm%C3%B3nico-simple.html>



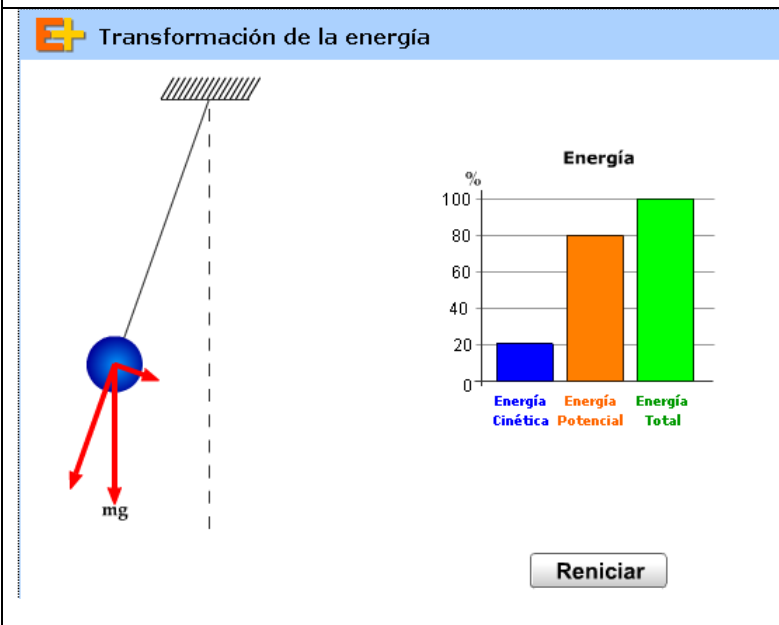
http://physics.bu.edu/~duffy/semester1/c18_spring_energy.html

Pendulua

http://phet.colorado.edu/sims/pendulum-lab/pendulum-lab_en.html

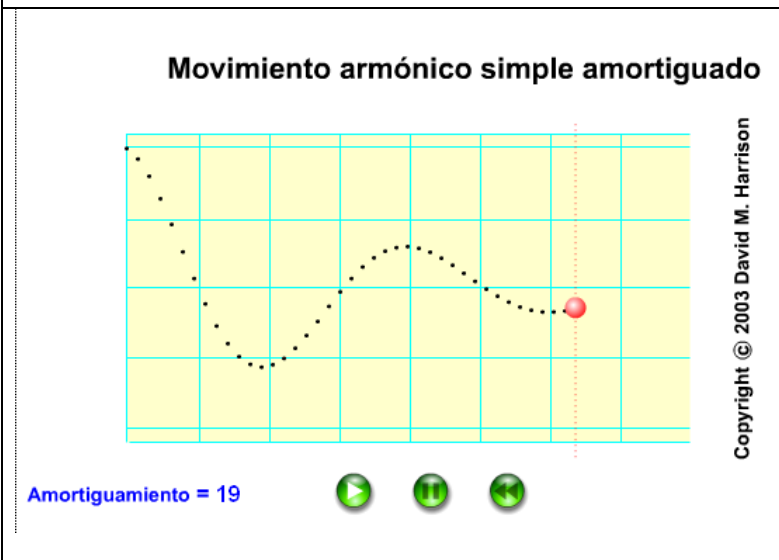


http://www.walter-fendt.de/ph14s/pendulum_s.htm

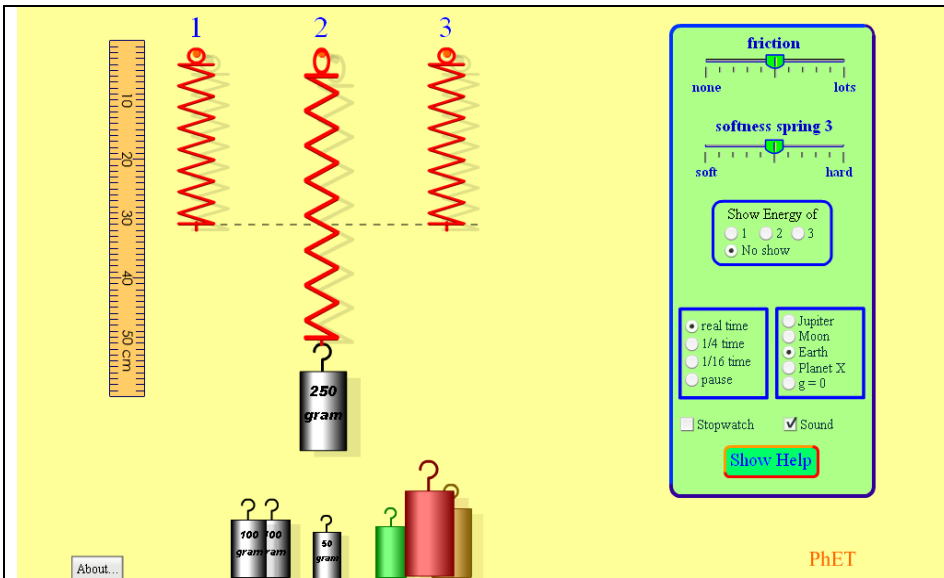


<http://www.educaplus.org/play-128-conservaci%C3%B3n-de-la-energ%C3%ADa-en-el-p%C3%A9ndulo.html?PHPSESSID=6245f14022e5cd30b004373312770ca9>

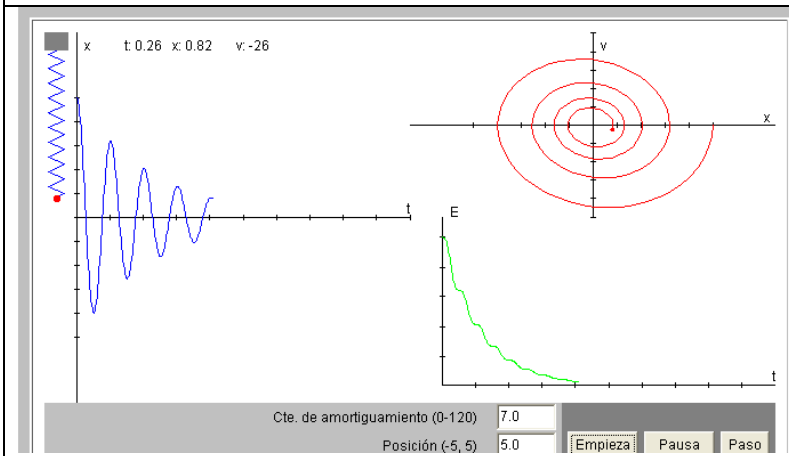
Indargetzea



<http://www.upscale.utoronto.ca/GeneralInterest/Harrison/Flash/ClassMechanics/DampedSHM/DampedSHM.swf>



http://phet.colorado.edu/sims/mass-spring-lab/mass-spring-lab_en.html



<http://www.sc.ehu.es/sbweb/fisica/oscilaciones/amortiguadas/amortiguadas.htm>

Erresonantzia



<http://www.youtube.com/watch?v=4oMPBkHdqxU>

Discovery
CHANNEL



<http://www.youtube.com/watch?v=MHIICTWMBMs>



<http://www.youtube.com/watch?v=RdW80Ui9F4g>