

Home Page


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Logo**URL**

<http://www.physicsdemos.com/>

Subject

Physics--Encyclopedias

Accessibility

Subscription based

Language

Multilingual (English, Spanish, Portuguese)

Publisher

The Education Group, Inc.

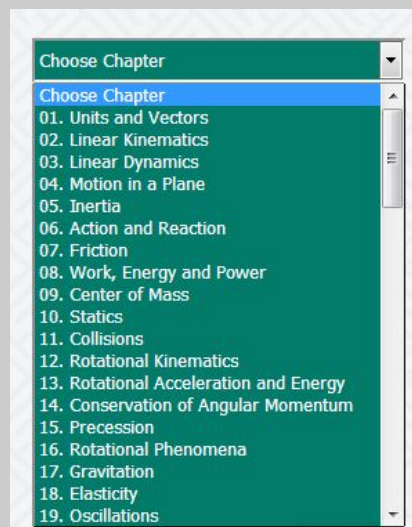
Brief History

The Video Encyclopedia of Physics Demonstrations is a comprehensive series of educational physics material produced under the scientific direction of the US National Science Foundation, Professor Jearl Walker, Cleveland State University and author of Halliday, Resnick and Walker, Professor Richard Berg, University of Maryland and Director of its Physics Demonstration Facility, and other university professors, provides schools and universities with a valuable resource to teach concepts of physics not otherwise easily understood by students. Now the encyclopedia is distributed online, on microprocessors and on flash drives, is comprised of 600

videotaped demonstrations, 596 minutes long with optional subtitles and related material in English, Spanish and Portuguese.

Scope and Coverage

The Video Encyclopedia of Physics Demonstrations is a collection of 600 curated flawlessly produced high quality demonstrations in English, Spanish and Portuguese with optional subtitles accompanied by explanations, illustrations, correlations and other helpful information. The website provides comprehensive, easy to use search tools to find and access the best possible videos related to the lessons. At the home page there are options to choose chapters or subjects on physics. The encyclopedia covers 68 physics chapters. Some chapters namely:



Kind of Information

The Video Encyclopedia of Physics Demonstrations is a valuable resource presenting concepts of physics not otherwise easily understood by students. The education material available in English, Spanish and Portuguese allowing professors to present and students to view a wide range of physics demonstrations for their understanding of physics concepts.

At the home page there are 8 demonstration videos represented as a preview of whole collection. All these videos are linked with separate WebPages where the main video is available with texts in three languages, English, Spanish, and Portuguese. The encyclopedia also provides pdf version of the texts available with videos.

Special Features

- The encyclopedia is available online, on microprocessors, on Flash Drives.

- Moodle enriches the videos of The Encyclopedia by providing an educational social network in which students and teachers can best use the material and integrate the videos with a complete e-learning solution.

Arrangement Pattern

At the home page the collections can be browsed by chapters' names which have numerical arrangement or by the subjects which are arranged alphabetically.

Remarks

The encyclopedia is very useful for students to better understand different topics of physics and also useful for teachers to teach students effectively with the help of these demonstrations.

Comparable Tools

- Encyclopedia of Laser Physics and Technology (<https://www.rp-photonics.com/encyclopedia.html>)

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