

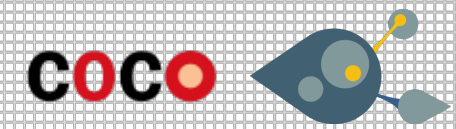
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Annotating Video with OERs in a Flipped Classroom Scenario

OCW Consortium Global Conference 2014 | Ljubljana

Who are we?



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@OpenHypervideo

knowledge
engineering

document
engineering

hypervideos

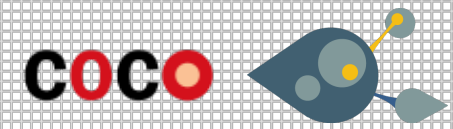
hypervideo
interface design

time-based
interaction

non-linear web
architecture



What will we talk about?



Newton's laws 15:20 / 49:19 Caro Save My Annotations Logout

Tasks

- View Video
- Annotate Video

Thumbnail Grid:

- Isaac Newton
- Galileo Galilei
- Laws of motion
- Centripetal Force
- World Cup '10 Disallowed Goal
- Isaac Newton
- Newton's cradle
- Billiards
- Space shuttle
- Principia book
- Newton's Third Law
- Newton's Second Law
- The Apollo 15 Hammer and Feather Experiment
- Two-dimensional analogy of spacetime distortion
- Hero's Engine
- General Relativity (Einstein)
- Gravity Action Reaction (3rd Law)

Main Video: A man in a blue shirt stands in front of a chalkboard. The board contains physics equations: $F_{NL} = 5N$, $F_{NL} + F_g = 5N$, and $F_{NL} = -mg$. He is holding a ball, and a diagram shows a ball falling with velocity $5m/s$ and $5.070 m/s$.

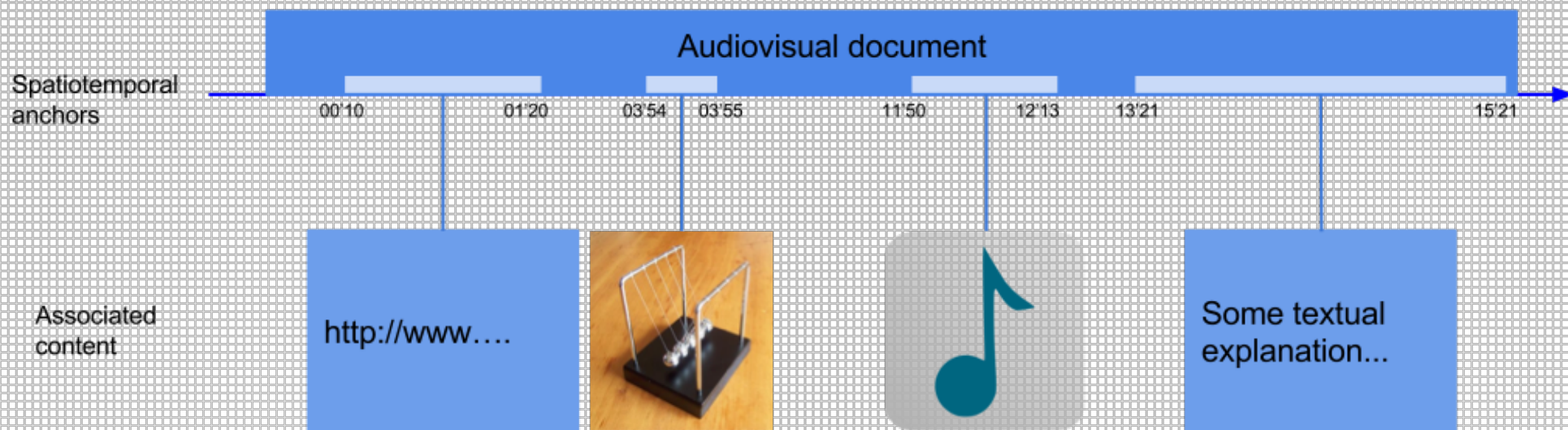
Annotations: A dashed white box highlights the main video and the 'Galileo Galilei' thumbnail. A small white box with the text 'Galileo Galilei' and a 'W' logo is positioned over the main video frame.

- **Context**
- **Some issues**
- **Video Annotation**
- **Our proposal: ABSORBED**
- **Principles and features**
- **Scenario / Live demo**

- **OER / OCW**
- **Video content**
- **Learner Engagement**

- **Many available OERs, but independent rather than linked**
- **Video annotation not much used yet**
- **Opportunity to**
 - **incite learners to be more active**
 - **incite learners to make explicit connections between materials**

- Piece of data anchored to a video fragment
- Any type (text, image, video, URL...)



Annotating By Synchronizing Open Resources Boosting Educational Discussion

- **support flipped classroom scenarios**
- **engage learners**
 - **more active attitude when watching videos**
 - **increase interest in additional resources**
- **promote annotation and remix practices**

web application for hypervideo creation / reception / remix

- **based on the Open Hypervideo framework**
- **lightweight & componentized architecture**
- **relies on open web technology & standards**

- **associate resources to video fragments**
- **view & browse those within the video context**
- **export, compare & merge annotation files**

Scenario

- **introduction to the tool**
- **set of resources & video material, predefined by the teacher**

Live Demo

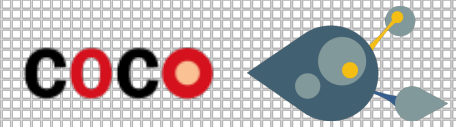


Demo at ocwc.open-hypervideo.org

Future work

- user testing & evaluation
- more editing possibilities
- support for questions & discussion
- bridges to other projects

Thanks!



We want to collaborate!

Get in touch:

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More Info:

<http://open-hypervideo.org>

