

“If Nature then, by her solidarity with Man, attains in Man her consciousness, and if Man's life is the very activation of this consciousness—as it were, the portraiture in brief of Nature,—so does man's Life itself gain understanding by means of Science, which makes this human life in turn an object of experience. But the activation of the consciousness attained by Science, the portrayal of the Life that it has learnt to know, the impress of this life's Necessity and Truth, is—Art”.

(Richard Wagner, “The Art-Work of the Future”, Translated by William Ashton Ellis, chapter 2)



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SCHOOL July, 2016

Skylight

a Global Science Opera

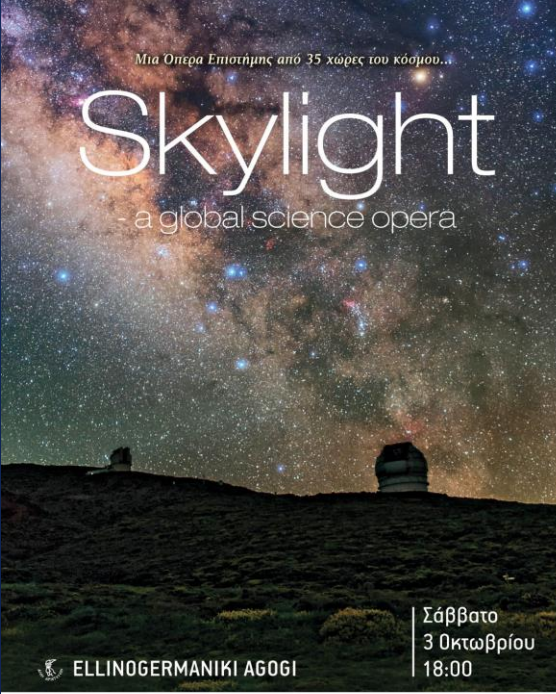
Μια Όπερα Επιστήμης από 35 χώρες του κόσμου...

Skylight

- a global science opera.

Σάββατο
3 Οκτωβρίου
18:00

ELLINOGERMANIKI AGOGI



The poster features a night sky with the Milky Way galaxy and two observatory domes on a dark landscape. The text includes the title 'Skylight', subtitle '- a global science opera.', date 'Σάββατο 3 Οκτωβρίου', time '18:00', and sponsor 'ELLINOGERMANIKI AGOGI'.



CREATIONS
Developing an Engaging
Science Classroom

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OPUS ΕΡΓΟ ERGO WORK ΠΡΑΞΗ PRAXIS ACT ΠΕΙΡΑΜΑ EXPERIMENT

The Work expresses the amount of energy produced or consumed by a body during a change of its kinetic status. It is the energy that a power transfers upon a moving body.



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A creative work ... when playing with Physics formulas

$$W = F * s \quad \dots (!)$$

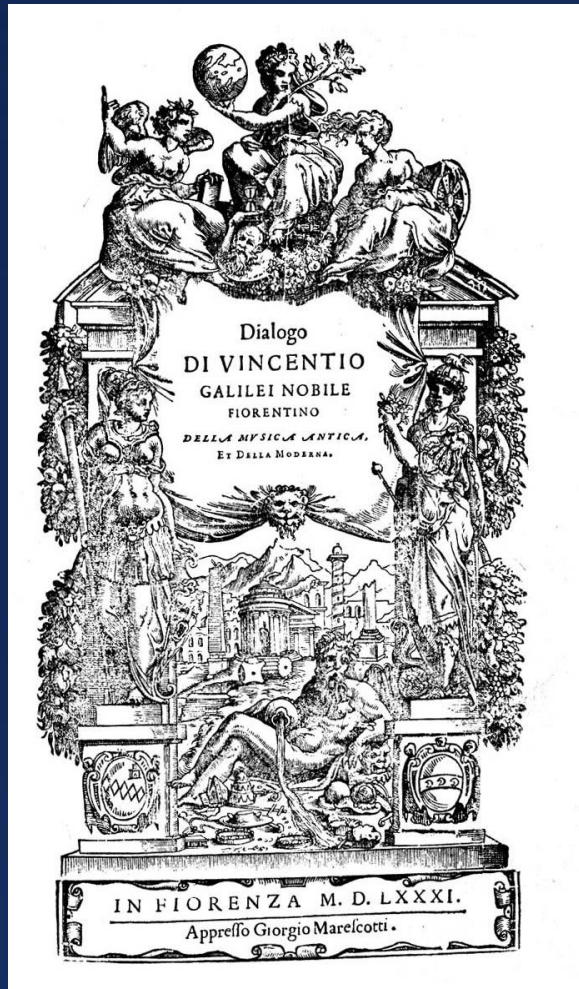
W is the final result of a creative work

F is the magnitude of all creative forces

s is the displacement between a static situation (usually a comfort zone) and a new creative state of cognition (usually a creative state of mind)

Assuming that forces are applied upon a mutually agreed direction...!





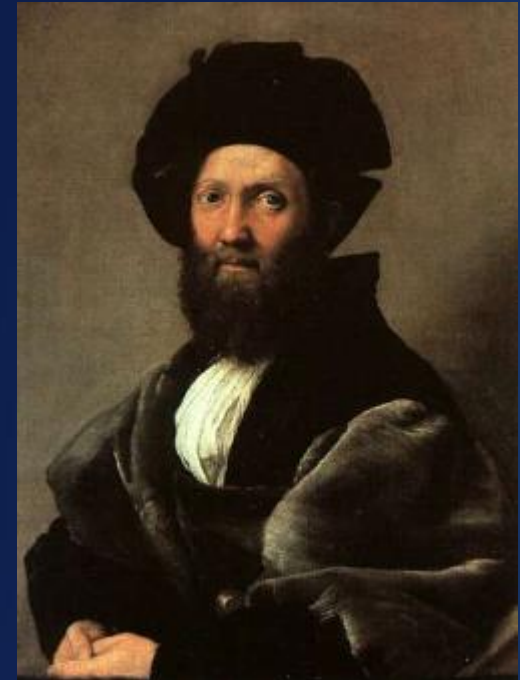
Study of pitch and string tension

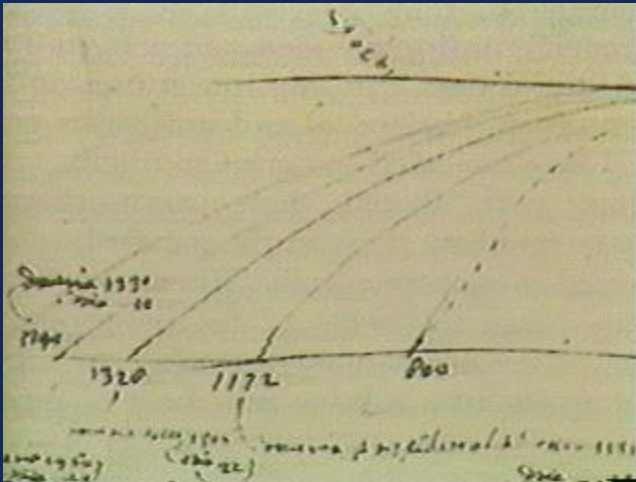
Florence 16th c.

Camerata de' Bardi

Florence 16th c.

Rebirth of the ancient Greek Tragedy





Galileo Galilei

Projectile Impetus experiment



Inclined plane experiment

Art keeps us in a constant need for displacement



Art keeps us in a constant need for inquiry

THE GLOBAL SCIENCE OPERA (GSO)

GSO is the first opera initiative in educational history to envision, create, produce and perform science operas as a global community.

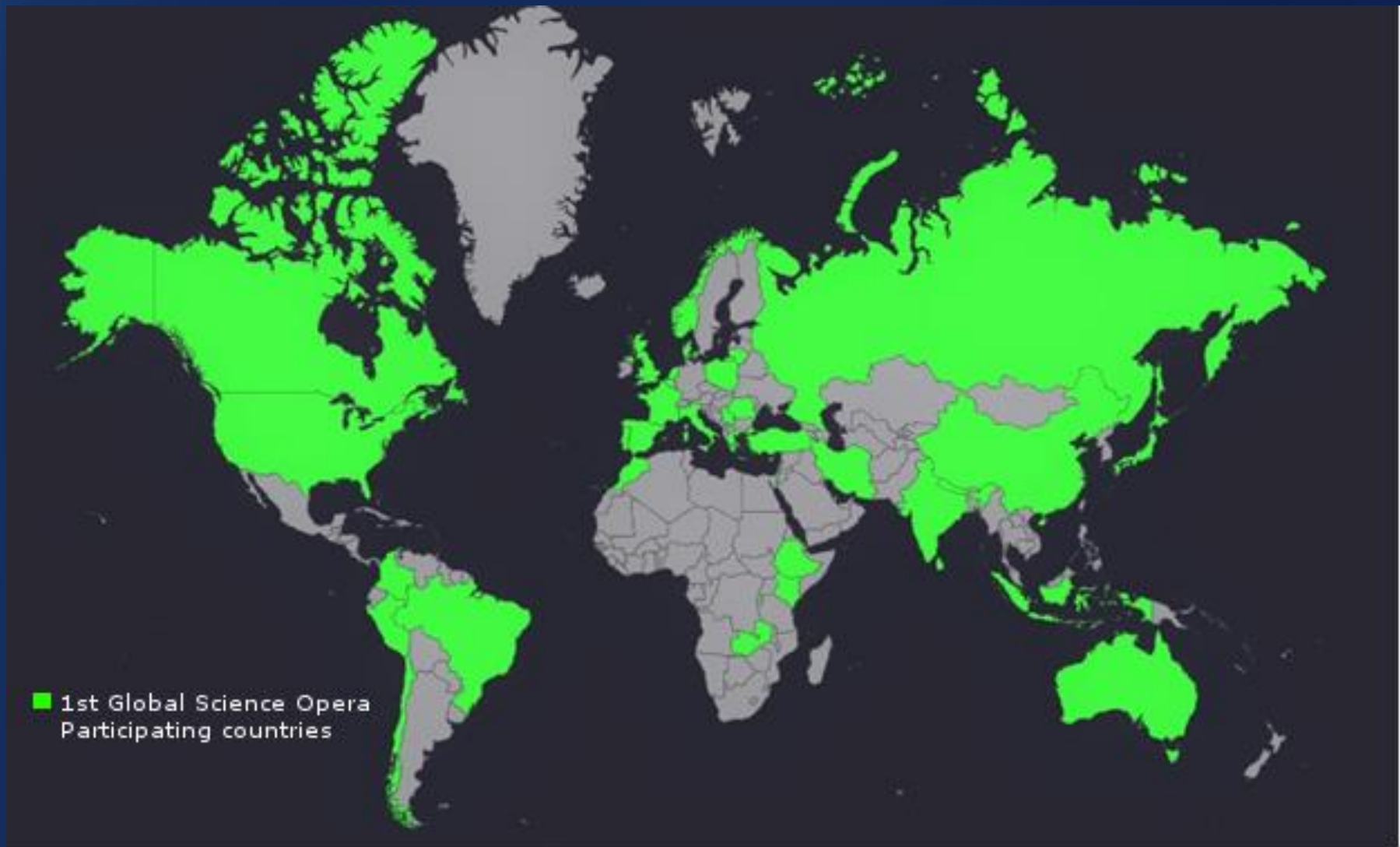


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Snapshots from the final broadcast



Heat! Tremendous heat...!



[SkyScene+GR+3rd+Final_001 - Συντόμηση](#)

The birth of an idea...

Write A Science Opera + Distance Learning Music Agoge



Screenshots from “Pappa kom Heim” Science Opera.

The music of one Opera scene was created, performed and multicasted in real time by students in three countries : Greece, Norway, Cyprus



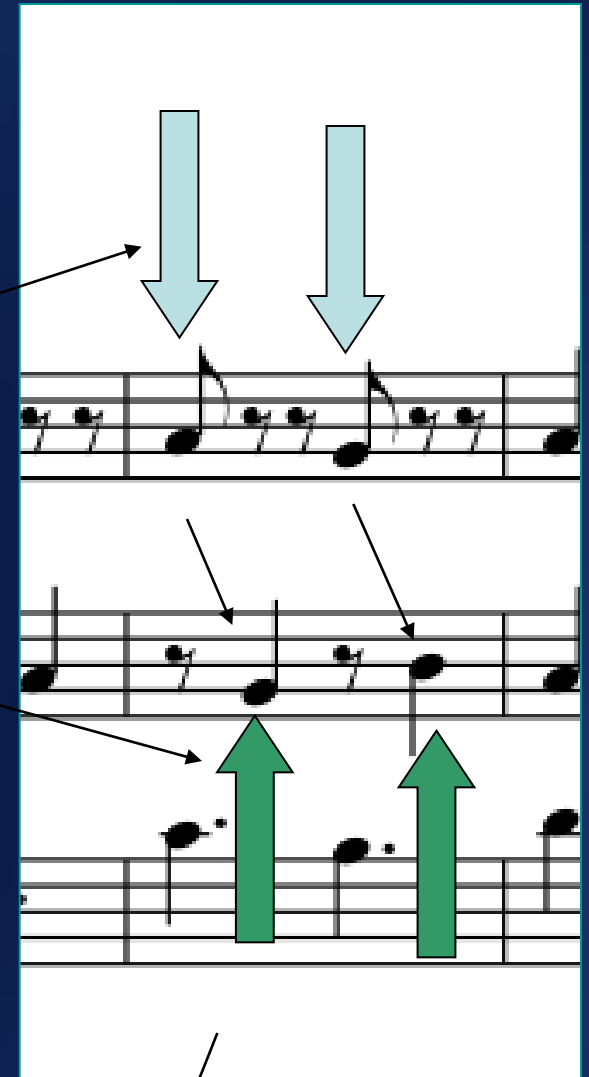
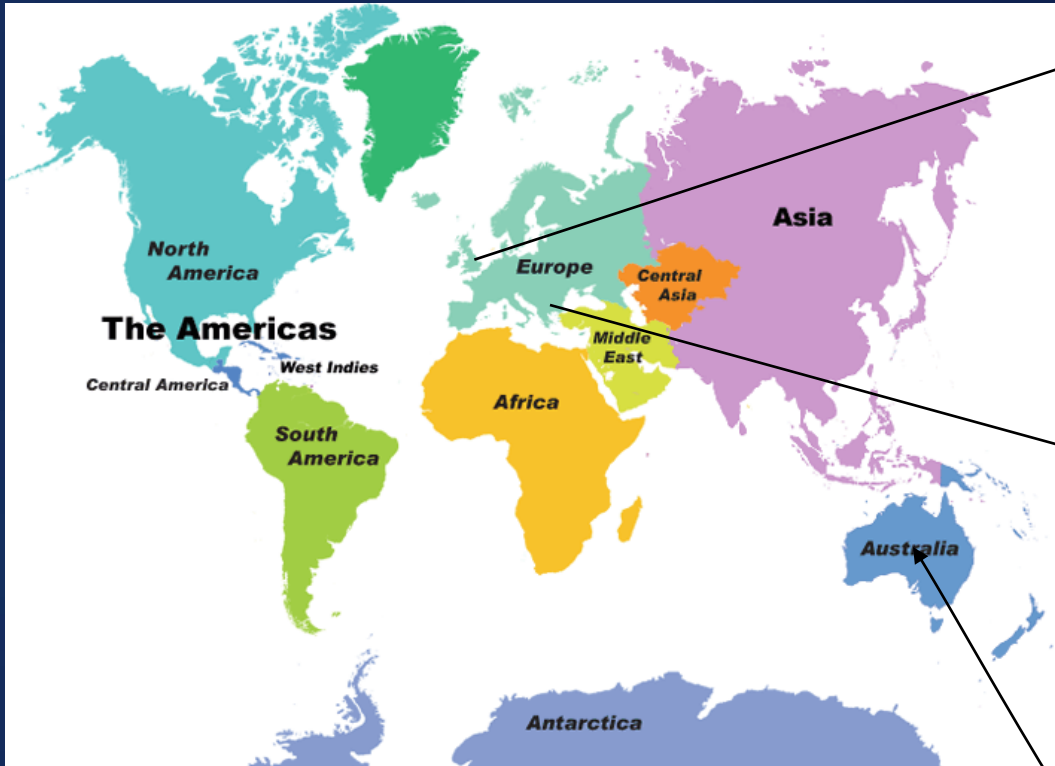
Spreading the concept in remote schools



A potential community of teachers in two continents

Hocket technique.

Notre Dame 13th / 14th c.



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A potential community of teachers in two continents

EA LINK LIVE

Petros Stergiopoulos

Jonathan

Skylight-Presentation-GR

Skylight-Hocket.pptx

AndrossSkyLightOpera.pptx

Attendee List (3)

- Petros Stergiopoulos
- Auriol
- Jonathan

INTERNATIONAL YEAR OF LIGHT 2015

EA LINK LIVE

Petros Stergiopoulos

Jonathan

Skylight-Presentation-GR

Skylight-Hocket.pptx

AndrossSkyLightOpera.pptx

Attendee List (3)

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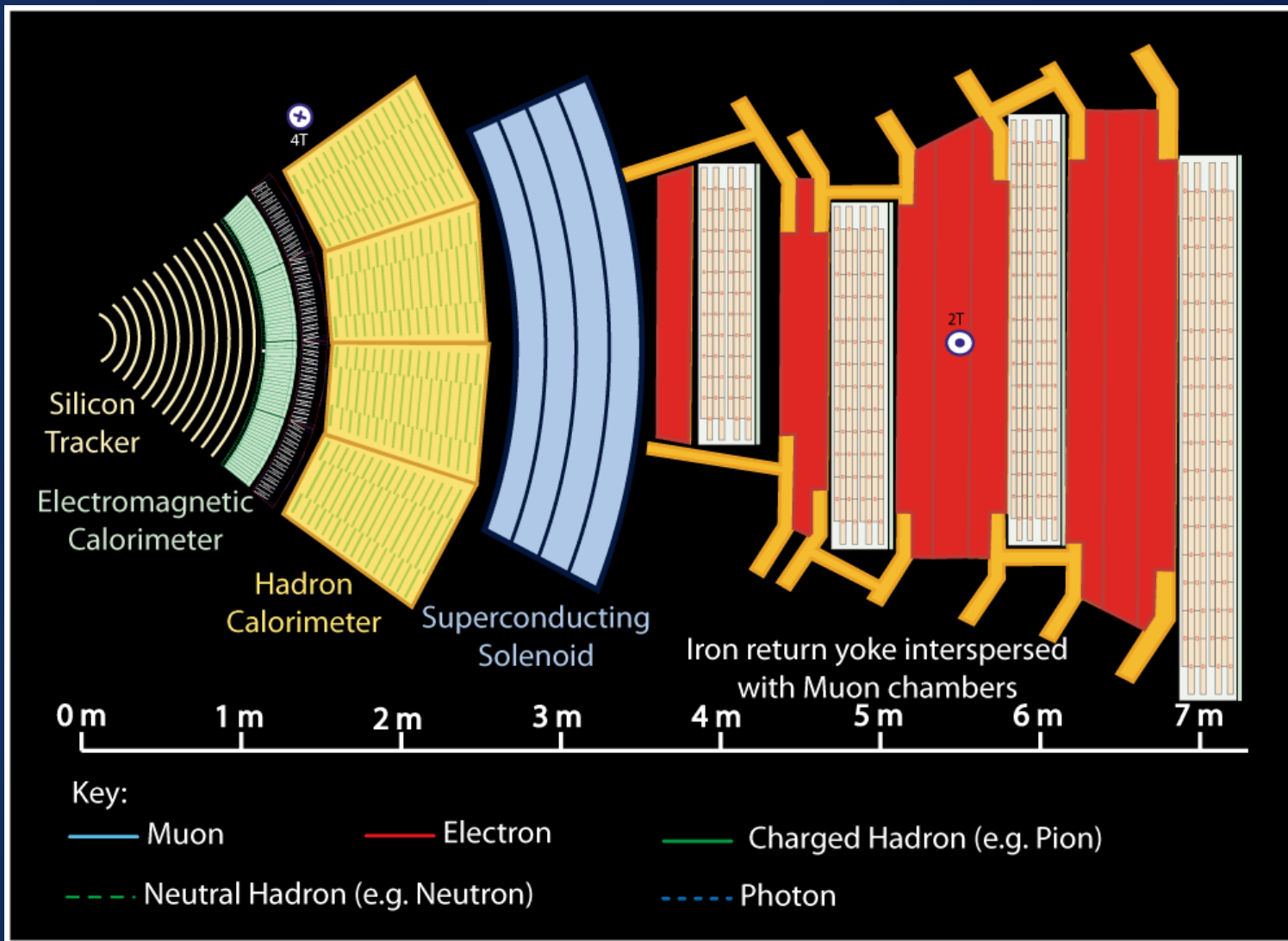
INTERNATIONAL YEAR OF LIGHT 2015

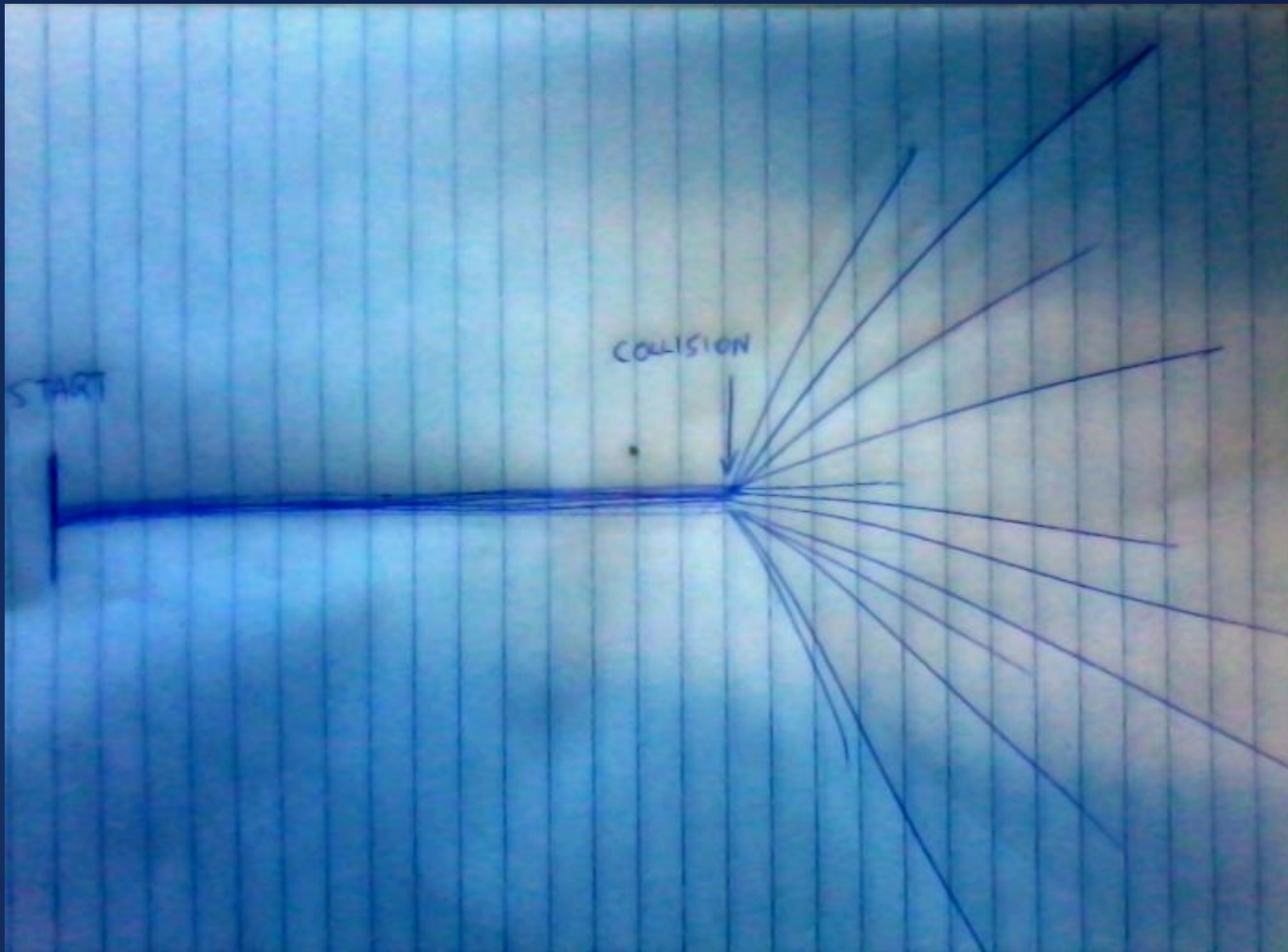


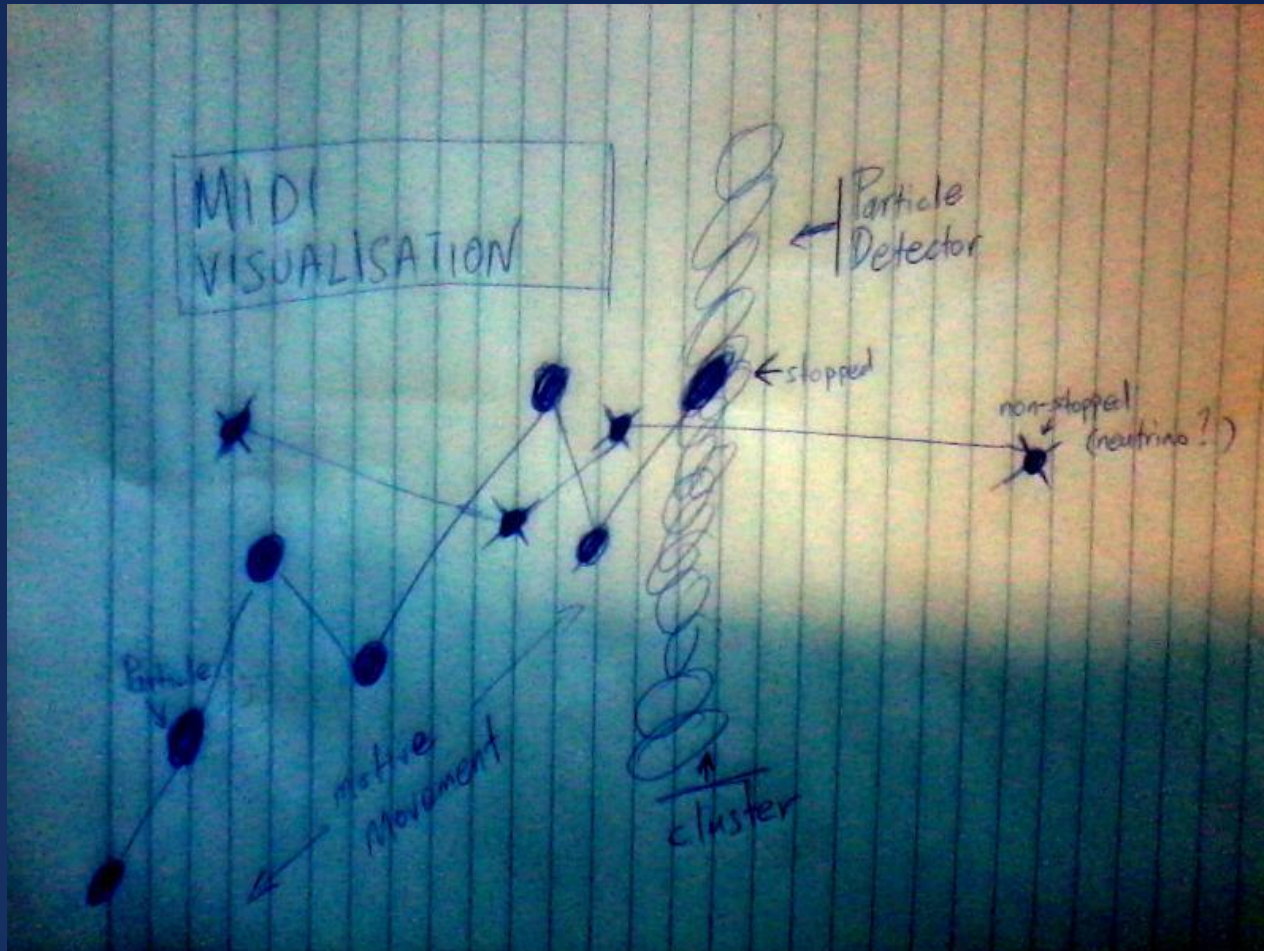
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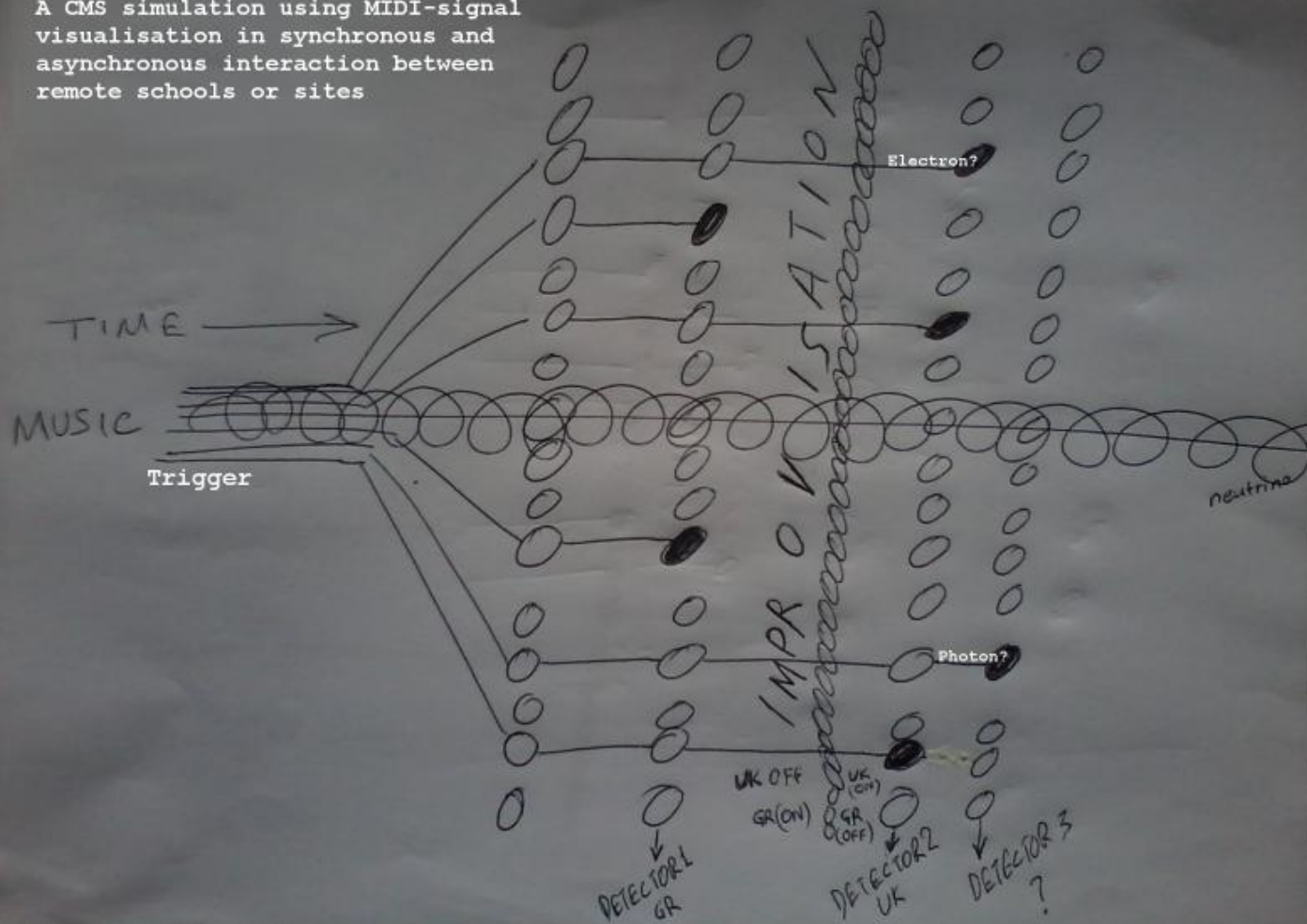
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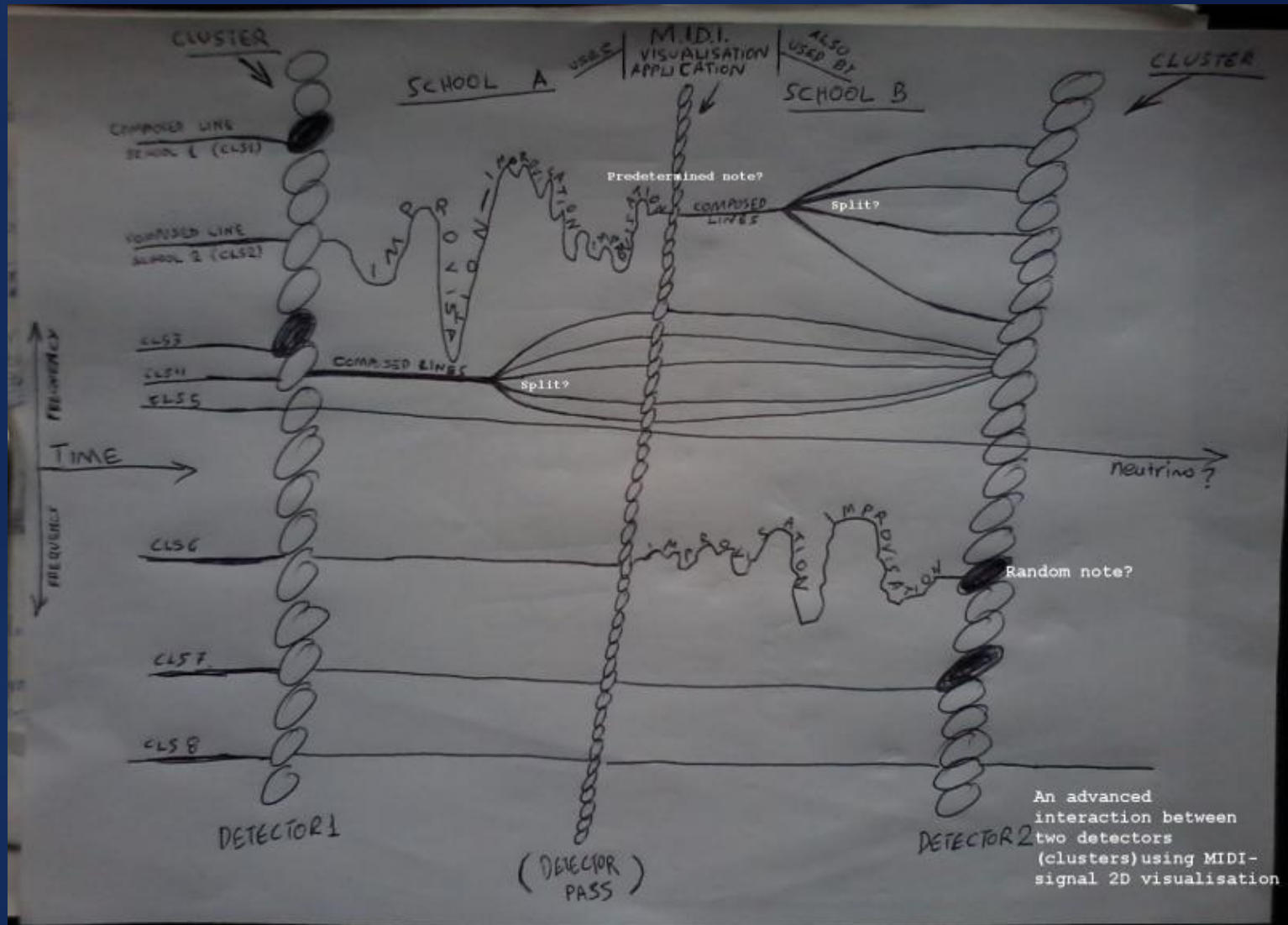


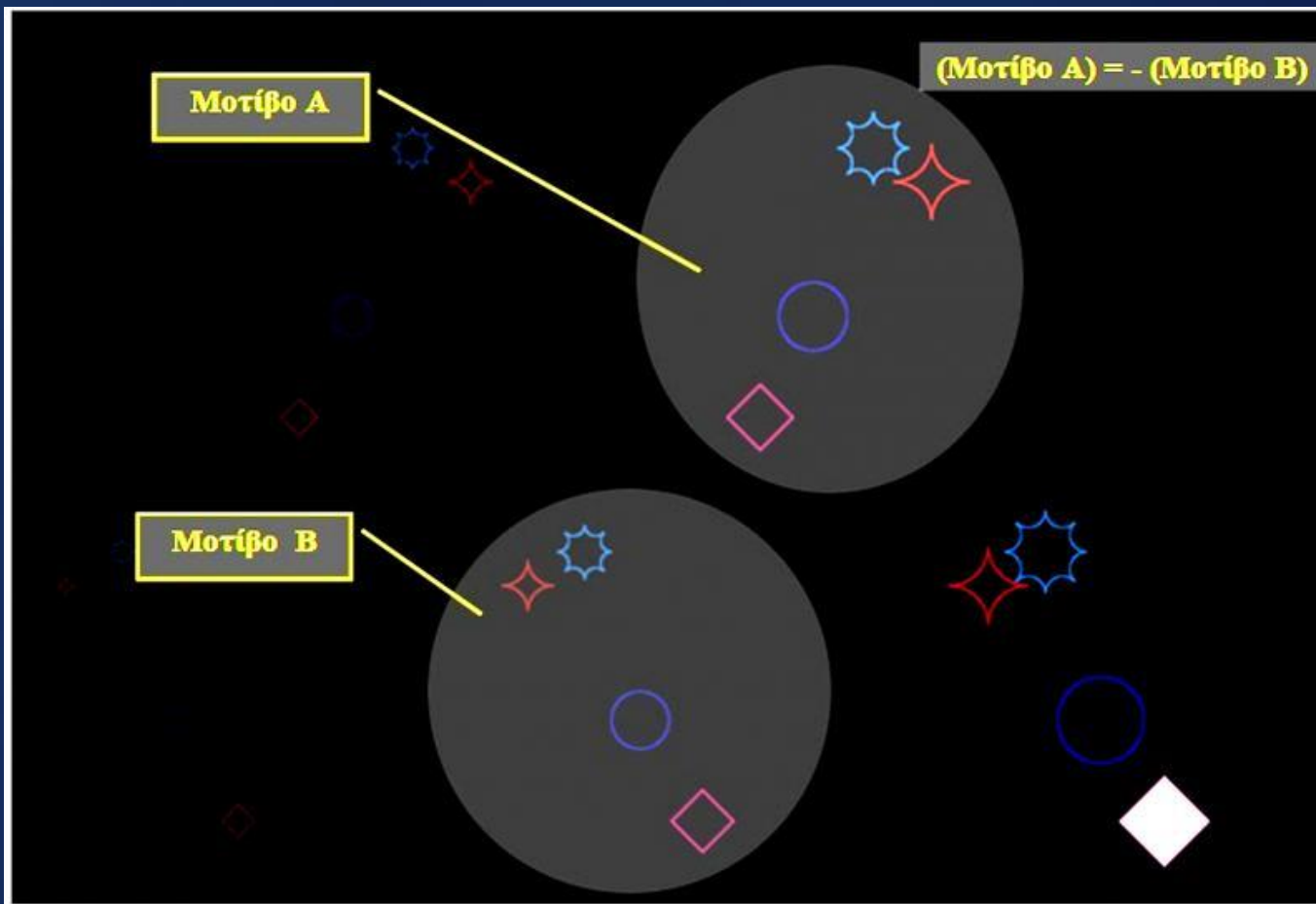




A CMS simulation using MIDI-signal
visualisation in synchronous and
asynchronous interaction between
remote schools or sites







Using
Stephen
Malinowski's

"Music
Animation
Software"

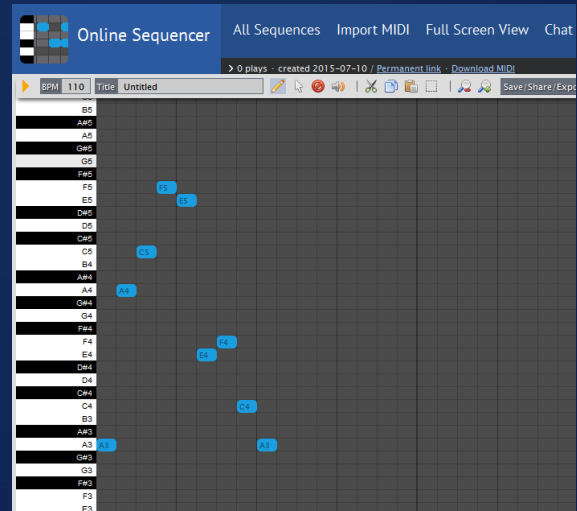
<http://www.musanim.com/all/>

(Screenshot)

Using a simple
online
sequencer

Or

an advanced
Digital Audio
Workstation



<http://onlinesequencer.net/116141>



<http://portal.opendiscoveryspace.eu/el/node/820734>

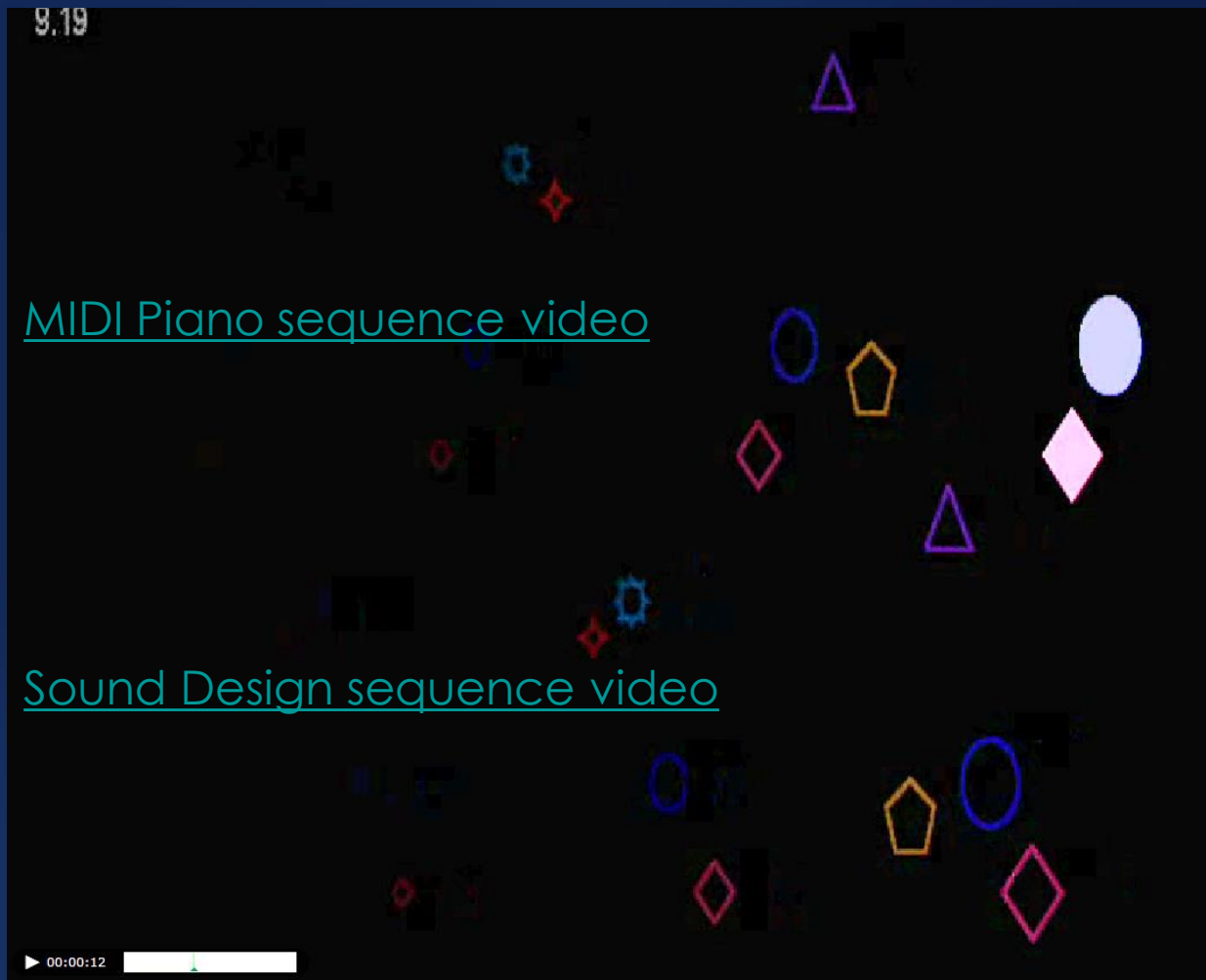


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With a
Music
Animation
Software



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With a 3d
Music
Animation
Software

http://connect.ea.gr/creations_gsort_particle_s2/



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