



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Εθνικόν και Καποδιστριακόν
Πανεπιστήμιον Αθηνών

Πλατφόρμα Δήλος (Delos)

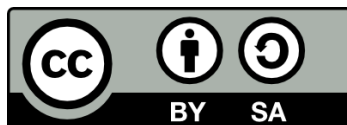
Ενότητα: Διαχείριση και διάθεση εκπαιδευτικού
βίντεο και βιντεοδιαλέξεων

Δρ. Παντελής Μπαλαούρας

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άδεια χρήσης

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Μπαλαούρας Π. (2014), «Πλατφόρμα Δήλος (Delos)», «Ανοικτά Ακαδημαϊκά Μαθήματα στο Πανεπιστήμιο Αθηνών», Α' Κύκλος Εκπαίδευσης Προσωπικού Υποστήριξης 20.05.2014



Βασικές συνιστώσες υποδομές





πλατφόρμα βιντεοδιαλέξεων

- Σεπτ. 2014, ολοκλήρωση της πρώτης έκδοσης της νέας πλατφόρμας βιντεοδιαλέξεων «Δήλος»
 - Χρονοπρογραμματισμός Διαλέξεων και Ζωντανών Μεταδόσεων
 - Αποθήκευση και Διαχείριση Βιντεοδιαλέξεων
 - Επεξεργασία Βιντεοδιαλέξεων
 - Αναζήτηση Βιντεοδιαλέξεων
 - Αναπαραγωγή Βιντεοδιαλέξεων
 - Σύνδεση με το ηλεκτρονικό μάθημα



κοπή τμημάτων βίντεο (on line)

GU net | Τίτλος Διαλέξης | Title for slide 1 | Title for slide 2 | Title for... | 01-01-2012

SAVE ✓

flowplay
© 2008-2014 Flowplay

00:05:16

00:00:00 00:15:00 00:30:00 00:45:00 00:57:22

Selections of Trims:
00:00:00 - 00:05:13
00:53:43 - 00:57:22

Selections of Cuts:
00:14:15 - 00:18:19
00:26:17 - 00:30:45

Trim Inputs [] Cut Inputs ▶ ◀

◀ ▶ ⏪ ⏩ - 🔊 + 00:05:16



συγχρονισμός διαφανειών (on line)

The screenshot displays a presentation synchronization interface. At the top, it shows the title "Τίτλος διαλέξηςTitle for slide 1Title for slide 2Title for...", the date "01-01-2012", and the status "Synchronized slides: 3 / 35". A "SAVE" button is visible in the top right corner.

The main content area is divided into three sections:

- Slide Preview:** Shows a slide titled "P versus NP: Approaches, Refutations, and Does It Matter?" by Neil Immerman, with the URL "www.cs.umass.edu/~immerman".
- Marker List:** A table listing synchronization markers for slides 1, 2, and 5.
- Video:** A video player showing a presenter in a blue shirt standing next to a screen displaying the slide content.

Below these sections is a control bar with a "SYNC" button and various playback controls (play, stop, next, previous, volume, and a timer showing "00:00:05").

At the bottom, a timeline shows the sequence of slides with their corresponding timestamps:

- Slide 1: "P versus NP: Approaches, Refutations, and Does It Matter?" (00:00:00 - 00:15:00)
- Slide 2: "Topics of interest to P vs. NP problem, Aug. 2010" (00:15:00 - 00:30:00)
- Slide 3: A diagram showing a flowchart or graph (00:30:00 - 00:45:00)
- Slide 4: "NTIME(n^2) = DTIME(n^2)" (00:45:00 - 00:57:00)



προβολή διαλέξεων

Delos Τίτλος Διαλέξης | 01-01-2012 00:06:06 3 / 29 ON Sync

NP = $\bigcup_{k=1}^{\infty} \text{NTIME}[n^k]$

Many optimization problems we want to solve are NP complete.

The diagram shows a hierarchy of complexity classes. At the top is 'Recursive', which contains 'co-r.e. complete', 'co-r.e.', 'r.e.', and 'r.e. complete'. Below 'Recursive' is 'NP', which contains 'co-NP complete', 'co-NP', 'NP', and 'NP complete'. A dashed line encloses 'NP' and 'co-NP', with the text 'NP ∩ co-NP' above it and 'P' on either side. Below this is 'truly feasible'. At the bottom are 'FO(CFL)' and 'FO(REGULAR)'. Arrows indicate that Recursive contains NP, and NP contains P.

Neil Immerman P versus NP: Approaches, Rebuttals, and Does It Matter?

Spike of attention to P vs. NP problem, Aug. 2010

"Dezalkar claimed that he had solved the solutions of algorithms, and shows that P indeed doesn't equal NP. Within a few hours of his e-mail, the paper got an impressive endorsement. This appears to be a relatively serious claim to have solved P versus NP?" emailed Stephen Cook of the University of Toronto, the scientist who had initially formulated the question. That evening, a blogger pointed Dezalkar's paper. And the next day, long before researchers had had time to examine the 103 page paper in detail, the recommendation site Slashdot picked it up, sending a fire hose of tens of thousands of readers and dozens of journalists to the paper."

Alice Robinson, Science Alert, Sept. 9, 2010

Descriptive Complexity

Query $Q_1, Q_2, \dots, Q_k \rightarrow$ [Computation] \rightarrow Answer A_1, A_2, \dots, A_k

P = $\bigcup_{k=1}^{\infty} \text{DTIME}[n^k]$

If a good mathematical wrapper for "truly feasible".

