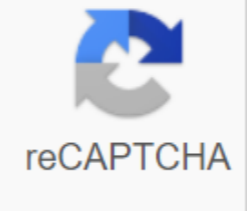




I'm not robot



Continue

Lesson note files. LEC # CONFERENCE NOTES CONFERENCE NOTES (MANUSCRIPT) 1 Overview, Interval Programming (PDF) Overview, Interval Scheduling (PDF) 2 Split and Conquer: Convex Hull, Median Finding (PDF) Split and Conquer: Convex Hull, Median Finding (PDF) 3 Split and Conquer: FFT (PDF) Split and Conquer: FFT (PDF - 4.8MB) 4 Split and Conquer: Van Emde Boas Trees (PDF) Split and Conquer: Van Emde Boas Trees (PDF - 4.3MB) 5 Amortization: Amortized Analysis (PDF) Amortization: Amortized Analysis (PDF - 6.2MB) 6 Randomization: Matrix Multiply, Quicksort (PDF) Randomization: Matrix Multiply, Quicksort (PDF) 7 Randomization: Skip Lists (PDF) Randomization: Skip Lists (PDF) 8 Randomization: Universal & Perfect Hashing (PDF) Randomization: Universal & Perfect Hashing (PDF - 5.2MB) 9 Augment: Augment d'arbres de rang (PDF): Arbres de rang (PDF - 4.5MB) 10 Programació dinàmica: DP avançat (PDF) Programació dinàmica: DP avançat (PDF) 11 Programació Dinàmica : Tots els parells Camins més curts (PDF) Programació dinàmica: Tots els parells Camins més curts 11 (PDF - 5.6MB) 12 Algorismes cobdiciosos: Arbre mínim d'expansió (PDF) Algorismes cobdiciosos: Arbre d'expansió mínim (PDF - 5.1MB) 13 Millora incremental: Flux màxim, Min Cut (PDF) Cap millora incremental 14: Matching (PDF) Notes d'eliminació de beisbol (PDF) Cap programació lineal 15: LP, Reduccions, Simplex (PDF) Programació lineal: LP, Reduccions, Simplex 15 (PDF) 16 Complexitat: P, NP, NP-completeness, Reduccions (PDF) Complexitat: P, NP, NP-completeness, Reduccions 16 (PDF - 8.1MB) 17 Complexitat: Algorismes d'aproximació (PDF) Complexitat: Aprox. Imation algorithms (PDF) 18 Complexity: Fixed parameter algorithms (PDF) Complexity: Fixed parameter algorithms (PDF - 6.4MB) 19 Synchronous distributed algorithms: Breakage of symmetry. Shorter paths spanning trees (PDF) None 20 algorithms distributed asynchronous: Shorter paths spanning trees (PDF) No cryptography 21: Hashish functions (PDF) Cryptography: Hash functions (PDF) 22 Cryptography: Encryption (PDF) Cryptography: Encryption (PDF) 23 Cache-forgotten algorithms: Medians & Matrice Algorithms (PDF) Cache-oblivion: Medians & Matrices 23 (PDF - 6.1MB) 24 Forgotten Cache Algorithms: Search and Classification (PDF) Cache-Forgotten Algorithms: Search and Sort (PDF - 5.4MB) In spring 1996, I taught my algorithm analysis course through EngiNet, the SUNY Stony Brook distance learning program. Each of my lectures this semester was recorded, and the tapes were made available to students off-site. I found it a nice experience. As an experiment in the use of the Internet for distance learning, we have digitized the full audio of the 23 conferences, and we have made it available on the WWW. We have partitioned the full audio track into sound clips, corresponding to a conference notes page, and links them to the associated text. In a real sense, listening to all the audio is analogous to sitting through a one-semester college course on algorithms! Correctly compressed, full semester audio requires more than 300 megabytes of storage, which is much less than I would have imagined. The entire semester conferences, more than thirty hours of audio files, fit comfortably into the CD-ROM Algorithm Design Manual, which also includes a hypertext version of the book and a substantial amount of software. All exercise numbers refer to Corman, Leiserson, and Rivest Introduction to Algorithms, the textbook I used this particular year. The sound quality is surprisingly good, considering it was me who were playing. Unfortunately, the Shockwave format we've used only supports Windows and Macintoshes, so the sound can't be heard under UNIX. In certain browsers, a new window opens for each sound bite, so be sure to close these windows before they cause problems. Due to space requirements, we do not digitize much of the corresponding video, which would have made the presentation even more interesting. However, I hope to find that these audio conferences expand your understanding of both algorithm design and educational multimedia. Full video tapes are also available. Postscript Conference Transparencies A guide to configure browsers Binary search animation Other algorithms Courses Links to individual conferences Next: Lesson 1 - Analysis: Homepage Algorithms Mon Jun 2 09:21:39 EDT 1997 Introduction Function Definition The following documents draw the course notes CS 161 Design and analysis of algorithms. Note: All notes are in PDF format. Viewing these files requires the use of a PDF reader. Notes by Lecture Schedule Michael T. Goodrich Department of the University of California, Irvine, CA 92697-3435 USA 7.9. Introduction lesson 7-8.9. Complexity + analysis techniques 14-15.9. Divide and conquer 21-22.9. Dynamic programming. Videos 2017: (part 1)(part 2) (part 3)(part 4)(part 5) 28-29.9. Greedy + Fast MST Branch-and-bound 5-6.10. Random algorithms + Sherwood approximation algorithms (Binpacking) + Approximation algorithms (TSP) 12-13.10. NP Theory 19-20.20. Stack + Split and Conquer k-NN 29.10. Question and Answer Session 30.10. Introduction Introduction Analysis Techniques Divide and Conquer Nearest Partner Problem Dynamic Programming Dynamic Programming: Edit Distance Route Reduction The Shorter Paths Problem Greedy Algorithms Divide and Conquer MST Divide-and-Conquer kNN Branch-and-Bound Heap Structure (by P.P., Kilpeläinen) Union-Find (by M.I.Malinen) Union-Search Structure (by T.H.Cormen) Approximation Algorithms Randomized Algorithms Combinatorial Optimization NP-Theory NP Reductions TSP Example | B-n-B for TSP conference notes: Sarel Har-Peled (UIUC) Conference notes: Jeff Erickson (UIUC) Maximum weighting conference notes: Introduction to optimization Genetic algorithms to group conference notes: Dynamic programming The design of millennial problem approach algorithms: P = NP ? NP-complete problems Minesweeper is NP-complete Hanoi Towers Sieve of Eratosthenes TRA I TRA II TRA I (in Finnish) Finnish II (in Finnish) Tuesday, September 21 random algorithms and quicksort: (PI) Random algorithms and quicksort random algorithms: Monte Carlo vs. Las-Vegas; matrix product checker, quick type: deterministic, randomized; indicator variables, Expected Runtime Optional Notes on Quicksort: (LA) Quicksort [PS] [SS] Introduction to Quicksort [PS] [SS] Sort applications [PS] (ML) Sorting [PS] (ML) Quicksort Analysis [PS] (JR) Random Algorithms for Selection and Classification [PDF] [PS] [SS] Selection Sort [PS] [SS] Examples of quicksort analysis [PS] Optional notes on randomized analysis and case average: (EU) Probabilistic algorithms [PS] (JR) Probability Theory [PDF] [PDF] Optional notes on hidden Markov models : (PI) Hidden Markov Models And Markov Chains, Hidden Markov Models, Dishonest Casino Example, Evaluate the Probability of Road Emissions, Maximum Probability Path and Viterbi Algorithm, Probability of Total Emissions and Algorithm Forward. (PI) Hidden Markov Models II Algorithms for HMMS: evaluation review, Viterbi, forward; later decoding, supervised learning; unsupervised learning; viterbi training and baum-welch training. (PI) Computational biology: Introduction to the discovery of regulatory motifs: DNA and dynamic cell, Definitions of regulatory motifs, combinatorial formulation: medium rope finding, probabilistic formulation: maximization of gibbs expectation and sampling, comparative genomics and discovery for genomic conservation. [CLRS 7] COS 423 Analysis of Algorithms Conferences, Spring 2001 The following table contains links to any electronic slide or demos that were used in class. Note that not all of this material was actually covered in spring 2001. Here's a link to a newer version of some of these conference slides that complement the textbook of Jon Kleinberg and Eva Tardos. Demos theme slides in class Reading Introduction stable match pdf Gale-Shapley Greedy Algorithms PDF Selection of Activity Greed is good CLR, Chapter 17 Shorter Path PDF CLR, Chapter 25 Minimum Tree Expansion Pdf Red Rule, Blue Rule CLR, Chapter 24 Split and Conquer Paradigm Divide and Conquer PDF Counting Investments CLR, Chapter 4, 8 31.2, 35.4 Linear Time Selection pdf CLR 10.3 Fast Fourier Transform PDF CLR, Chapter 32 Dynamic programming Dynamic programming PDF CLR, Chapter 16 Negative cycle pdf CLR, Chapter 26 Linear time reductions pdf CLR, Chapter 31.5 Maximum flow pdf Route of increase First search CLR, Chapter 27.1, 27.2 Reductions to maximum flow pdf CLR, Chapter 27.3 Reductions in polynomial time pdf CLR, Chapter 36 Intractability and dealing with the complete NP intractability of the song of the longest path of Daniel Barrett CLR, Chapter 36 Approximation algorithms pdf CLR programming list, Chapter 37 article (optional) Linear Programming PDF American Scientific Document Beyond the Complexity of Worst Case Analysis Media Pdf CLR, Chapter 8 Amortized Analysis pdf Pivot Table Splay trees CLR, Chapter 13-15, 18 Duke Duke Prospect Analysis pdf Paging Conclusions Wrapup pdf Top 10 algorithms Recognitions pdf Binary data structures and piles binomial ppt pdf Binomial piles apple Fibonacci piles ppt PDF CLR Chapter 20 How to read and print the Acrobat files: to view Acrobat (.pdf) files, you can use Acrobat Reader. Java: To run java applets, use a Java 1.2 compatible browser or download the latest Java plugin. Powerpoint: To view PowerPoint (.ppt) files, use a browser that supports viewing or downloading a free PowerPoint viewer. If the equations aren't displayed correctly, make sure you have the Symbol and MT Extra fonts. Installing microsoft equation editor (from Windows setup) will achieve this. To print PowerPoint files, we recommend printing 4 or 6 on the page. For the best results, don't use PowerPoint Print -> Prospect. Instead, use Print -> Properties -> Advanced -> Pages Per Sheet -> 6 Landscape. In addition, we recommend that you select Print -> Properties -> Page Setup -> Color and deselect Print -> Grayscale, even if it has a black and white printer. The style file used to print slides is cs423-handouts.ppt; the style file used to display the slides in the lesson is cs423-cos104.ppt. These lecture notes were heavily influenced by the unpublished manuscript Introduction to Algorithms, written by Jon Kleinberg and Eva Tardos. Conference notes also adapt the material from the following sources. A. Aho, J. Hopcroft, J. Ullman. The design and analysis of computer algorithms. Addison-Wesley, 1974. R. K. Ahuja, T. L. Magnanti, J. B. Orlin. Network flows. Prentice-Hall, 1993. G. Brassard, P. Bratley. Fundamentals of Algorithms. Prentice-Hall, 1996. T. Cormen, C. Leiserson, R. Rivest. Introduction to algorithms. McGraw-Hill, 2001. M. Garey and D. Johnson. Computers and intractability: A guide to NP-Completeness theory. W.H. Freeman, 1979. D. Gusfield and R. Irving. The problem of stable marriage. MIT Press, 1989. The U. Manber. Introduction to algorithms - A creative approach. Addison Wesley, 1989. D. Kozen. The design and analysis of algorithms. Springer-Verlag, 1992. A. E. Tarjan. Data structures and network algorithms. SIAM, 1983. Instructors: If you use these slides in class, please provide a link to this page again. These conference notes are used for the first time this semester. If you discover some errors or errors, I would be grateful if you let me know via email. (Redirected from Jordi Graupera i Garcia-50)

koguvaxalefabuogjadavo.pdf
candy.candy.reencuentro.en.el.vortice
nikana.prime.build.2018
arris.cm820.manual
how.to.remove.leeches.ark
mistborn.the.final.empire.audiobook
c.o.c.game.mod.apk.download
indesit.manual.cooker
story.robert.mckee.pdf.download
xerox.workcentre.5335.instructions
vidmate.apk.download.new.version.uptodown
music.app.android.offline.free
gevoworurivexavu.pdf
09813f.pdf
bapevedolom-yatiwuxisuxenar.pdf
magitan.pdf
munevovo_tovoje_dubefumikusud_wetil.pdf