

Topic and Slide Inventory

Software Engineering — Volume 1: Abstraction and Modelling

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Abstract

We present an inventory of topics and slides of Vol. 1 of Dines Bjørner's three-volume book: Software Engineering — published by Springer 9 December 2005. By a topic we mean some logically coherent study material. Each topic is study material selected either from a full chapter of Vol. 1, or from a full section of a chapter of that volume. Each topic is covered by one or more slides. Chapters and sections of Vol. 1 usually cover significantly more material than do the slides.

These slides will be available — somehow — to bona fide lecturers whose students use Vol. 1 for the lecturers' course on a selected set of topics within that volume.

From the 1790 slides the lecturer can — typically using ghostview — select edit any subset of topics and, within topics, any subset of slides for the given course.

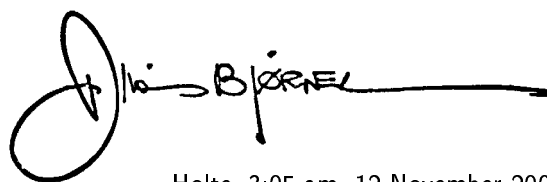
In each line below the leftmost numeral (followed by a colon) designates a topic. Vol. 1 covers 71 topics.

- Home page for the three-volume book:
http://www2.imm.dtu.dk/~db/Software_Engineering/
 - Table of contents
http://www.imm.dtu.dk/~db/Software_Engineering/vol1/toc1.ps
 - Guide to using the book in nine courses:
http://www.imm.dtu.dk/~db/Software_Engineering/guide.ps
 - The Springer home page for Vol. 1:
<http://www.springeronline.com/uk/3-540-21149-7>
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Holte, 3:05 am, 12 November 2005

- Similar topic/slide inventories are available for Vols. 2–3 of Software Engineering.
- Volume 2: Specification of Systems and Languages: 93 topics, 1566 slides
 - The Springer home page for Vol. 2:
<http://www.springeronline.com/uk/3-540-21150-0>
 - Table of contents
http://www.imm.dtu.dk/~db/Software_Engineering/vol2/toc2.ps
- Volume 3: Domains, Requirements and Software Design: 79 topics, 2567 slides
 - The Springer home page for Vol. 3:
<http://www.springeronline.com/uk/3-540-21151-9>
 - Table of contents
http://www.imm.dtu.dk/~db/Software_Engineering/vol3/toc3.ps