

Curriculum for Algebra 2, 2013-Aalborg University

Pensum/curriculum

The curriculum for the exam consists of:

1. [Lau]: Chapters 3 and 4. Excepting subsection 4.5.1 (“Decimal Expansions and Primitive Roots”), subsection 4.5.2 (“Primitive Roots and Public Key Cryptography”) and section 4.7 (“Theorema Aureum: The Law of Quadratic Reciprocity”).
2. [Kle]: Chapters 1, 2, 3, 4.
3. [HJ]: Chapter 2.

Errata

Be aware of the errata in [Lau] that can be found at Course’s web page, please. Unfortunately, I cannot guarantee that there are no errata in my slides.

Bibliography

- [Lau] Niels Lauritzen, “Concrete abstract algebra”, Cambridge University Press, 2003. ISBN: 978-0-521-53410-9.
- [Kle] Israel Kleiner, “A History of Abstract Algebra,” Birkhäuser, 2007.
- [HJ] Jørgen Justesen og Tom Høholdt, “A Course In Error-Correcting Codes,” European Mathematical Society, 2004.

Best regards,

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