

**Mathematical Structures in Formal Methods, *MSFM***  
**Handout for Lecture 2 (2018/5/10)**

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## 1 Lecture Video

Available at [http://group-mmm.org/videos/guest/2018\\_MSFM\\_Students](http://group-mmm.org/videos/guest/2018_MSFM_Students). Username: msfm, password: (ask the lecturer).

## 2 Today's Lecture

Regular expression and the Kleene theorem (sketch), the Myhill–Nerode theorem and minimization (sketch). Then we continue to [Vardi, 1995, Section 2.1]