

# Chapter VII Randomized Computation

1. Probabilistic Turing Machines
2. Some examples of PTMs
3. One-sided and zero-sided error:  $\mathcal{RP}$ ,  $\text{co}\mathcal{RP}$ ,  $\text{ZPP}$

See

 [Sanjeev Arora, Boaz Barak:](#)  
*Computational Complexity — A Modern Approach*,  
p. 115–120, Cambridge University Press: Cambridge-New York-Melbourne, 2009