

LEARNING OBJECTIVES - Lecture 10 (Universal Source Coding)

After attending lecture and completing the associated readings, you should be able to:

1. Define the redundancy and minimax redundancy of universal source codes.
2. Describe minimax redundancy in terms of the I-radius characterization.
3. Perform the Lempel-Ziv 77 encoding.
4. Define and analyze integer codes.
5. Prove the asymptotic optimality of the (simplified) LZ77 coding scheme.