

AE4580 Introduction to Avionics Integration

Spring 2004 Homework #2

Due: Monday February 2, 2004 at 2:05pm (beginning of class) or before

1. Problem 4.1 in Kayton & Fried.
2. Problem 4.2 in Kayton & Fried.
3. Extra Research: Briefly describe how an FM signal is demodulated; be sure to state your reference for the information (always avoid web pages as references).
4. Extra Research: Find two references for each of the following techniques to compress/encrypt digital communications. For each technique, provide a concise (a short paragraph) explanation of the principles involved.
 - (a) JPEG compression
 - (b) MPEG compression
 - (c) Public key encryption