
EXERCISE 8.6: Prove that the DFT coefficient $X[N/2]$ must be real-valued when the vector $x[n]$ is real and the DFT length N is even.

McClellan, Schafer, and Yoder, *DSP First, 2e*, ISBN 0-13-065562-7.
Prentice Hall, Upper Saddle River, NJ 07458. ©2016 Pearson Education, Inc.

