

EE 532 ANTENNA THEORY & APPLICATIONS

Home work # 4

1. Develop a computer program to compute and plot the array factor of linear arrays of N number of elements and inter-element spacing d . Use the numerical integration given in the book to compute the directivity of the array and the half power beam-width. Alternatively, you may use the integration functions built in MATLAB.
2. Solve the following problems:
 - Textbook, chapter 6, Problems 9, 10, 18, and 35.