

# Chapter 3 figs ELEN4001

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Note that the source code for the figs can be seen by clicking the pic. You will need to use your Browser's BACK button to return to this page.

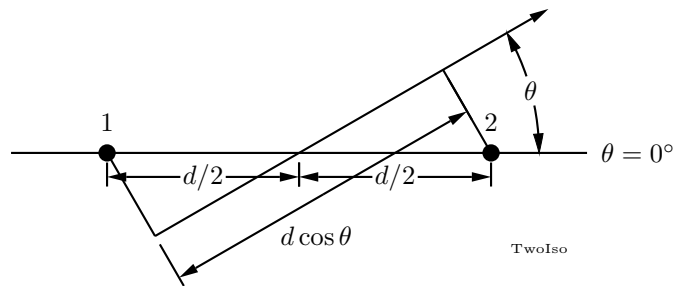


Figure 1: Two Isotropic point sources, separated by  $d$

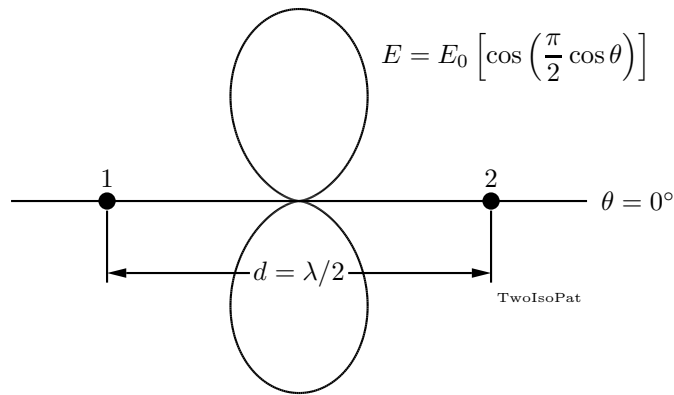


Figure 2: Two sources separated by  $\lambda/2$

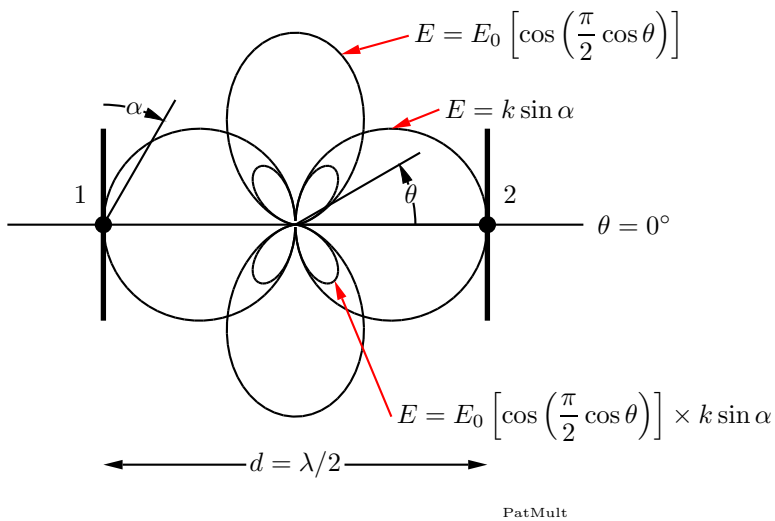


Figure 3: Pattern Multiplication.

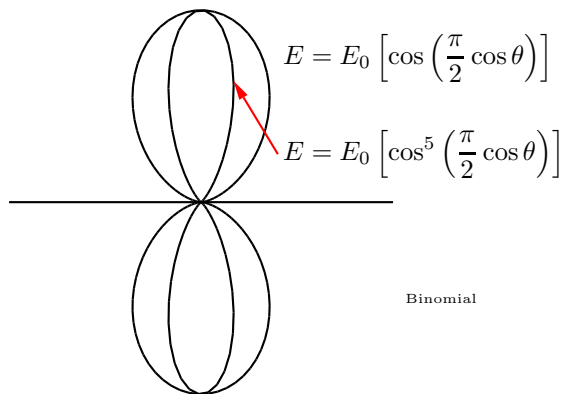


Figure 4: Binomial array pattern

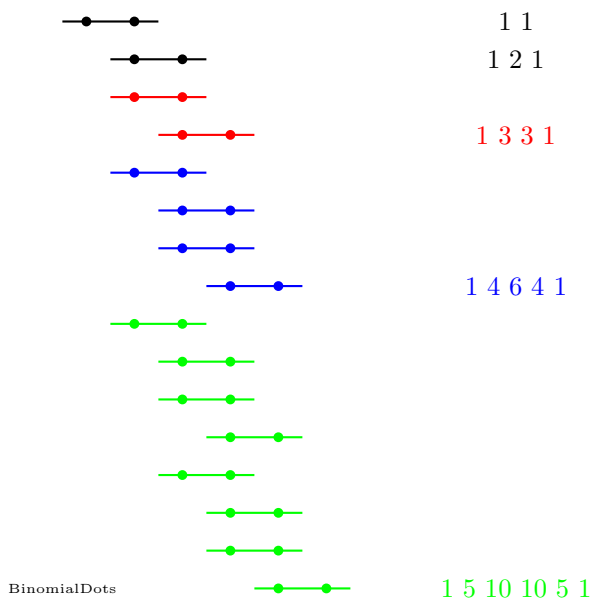


Figure 5: Binomial Pascal buildup

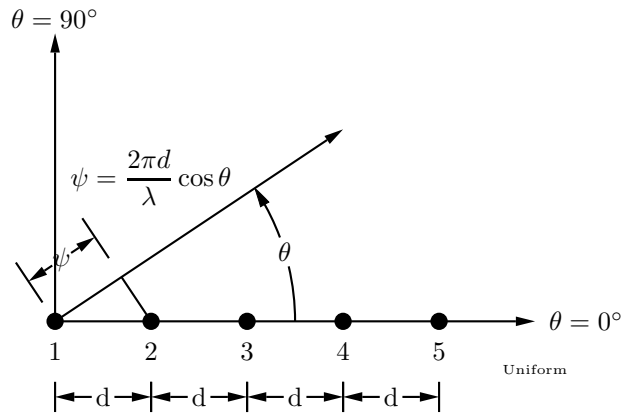


Figure 6: Uniform linear array of isotropic sources.

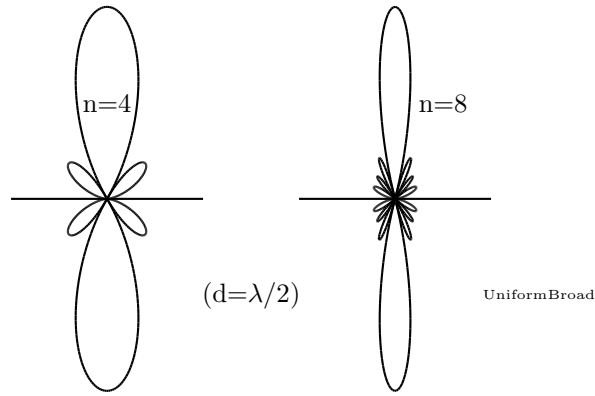


Figure 7: Uniform Isotropic Broadside array

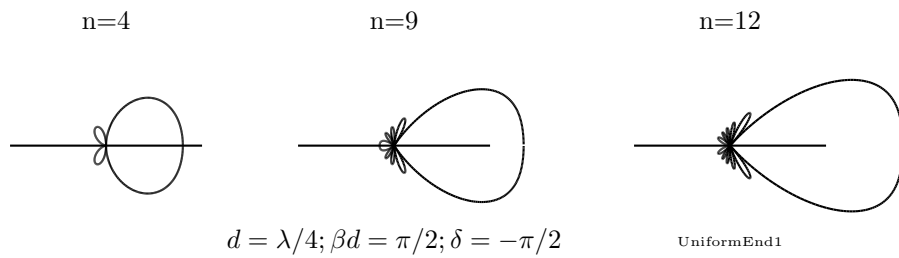


Figure 8: Uniform Isotropic Endfire Array, Rightwards

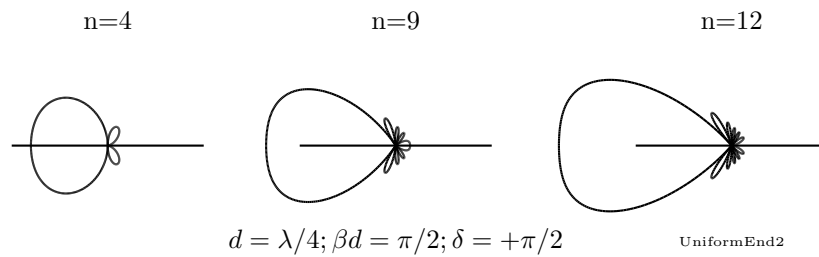


Figure 9: Uniform Isotropic Endfire Array, Leftwards

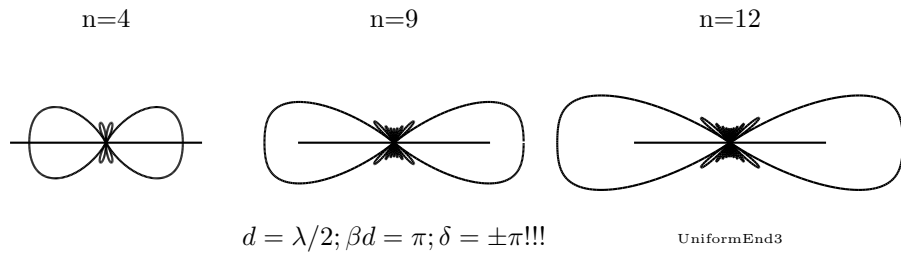


Figure 10: Uniform Isotropic Endfire Array, Ambiguity.

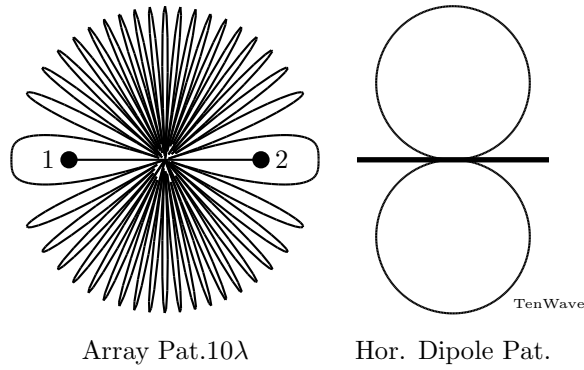


Figure 11: Array pattern of 2 isotropic sources  $10\lambda$  apart, and the element pattern.

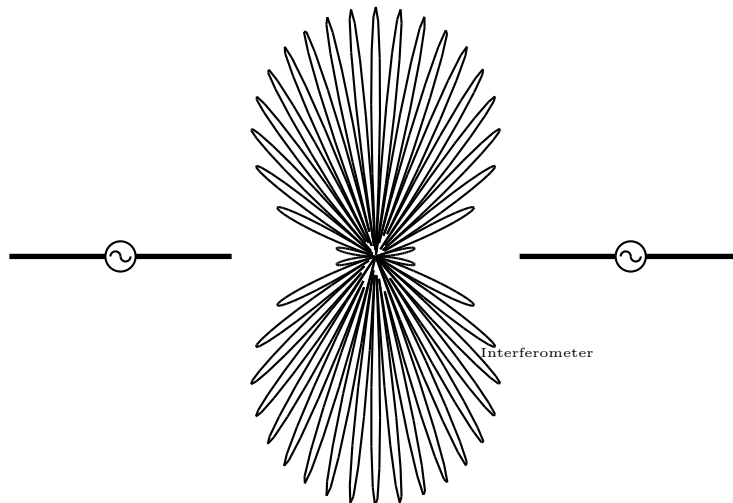


Figure 12: Two in-phase dipoles  $10\lambda$  apart.

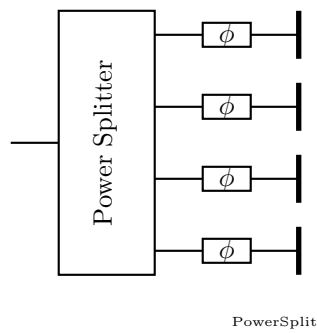


Figure 13: Power Splitter followed by phase modification.

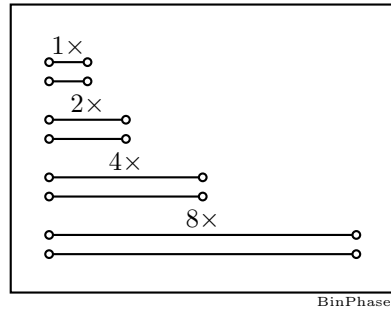


Figure 14: Binary phase shifter, based on transmission line segments.

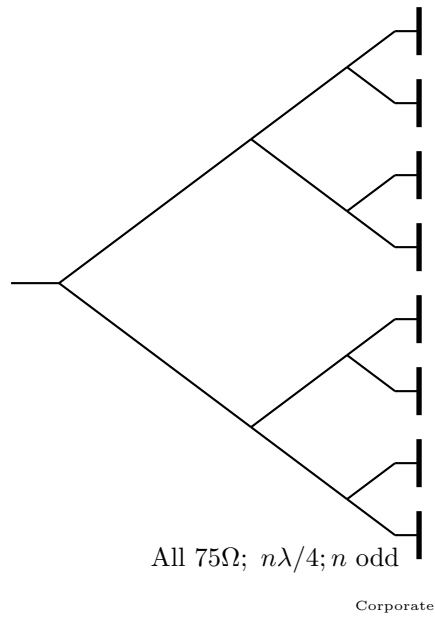


Figure 15: A Corporate feed network—equal amplitude and phase.