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CHAPTER 3 ANTENNA ARRAYS AND BEAMFORMING  
 $\sum = = + M M J M A F I E M$   
 $M 1 (\theta, \varphi) (\zeta \delta) (3.2)$  Where  $I_m$  Is The Magnitude And  $\delta_m$  Is The Phase Of The

Weighting Of The  $m$ th Element. The Normalized Array Factor Is Given By  $F_{AF}(\theta, \phi) = \frac{1}{M} \sum_{m=1}^M \cos(\theta_m - \theta) \cos(\phi_m - \phi)$  (3.3) This Would Be The Same As The Array Pattern If The Array Consisted Of Ideal Isotropic May 5th, 2024.

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