

$$\mathbf{A} = \Theta(1) \mathbf{b}_1 + \dots + \Theta(g) \mathbf{b}_g$$

$\phi = 90^\circ$ plane
 $\phi = 0^\circ$ plane

$$\begin{aligned}
 E_9^* &= \Omega(1) \mathbf{b}_1^H + \dots + \Omega(c) \mathbf{b}_c^H \\
 E_9^* &= \Omega(1) \mathbf{b}_1^H + \dots + \Omega(c) \mathbf{b}_c^H \\
 E_\phi^* &= \Omega(1) \mathbf{b}_1^H + \dots + \Omega(c) \mathbf{b}_c^H \\
 E_\phi^* &= \Omega(1) \mathbf{b}_1^H + \dots + \Omega(c) \mathbf{b}_c^H
 \end{aligned}$$

$\mathbf{z} = \mathbf{F}$