

Review: Maxwell's eqs. } know  
 B.C.'s (PEC case...)  
 Power - Poynting's theorem, vector

Media: Anisotropic media }  $e^{i\vec{k}\cdot\vec{r}} \Rightarrow \nabla \rightarrow i\vec{k} \Rightarrow \hat{k} \times \vec{E} = \omega \vec{B}$ , etc.  
 Uniaxial  
 Gyrotropic  
 Biisotropic (chiral) }  
 ↓  
 orthogonality relations,  
 characteristic equation,  
 characteristic waves

Green's function: Scalar green's function (3D) } know  
 Radiation integral } derive from Maxwell's eqs.  
 - Dyadic G.F., means... } + gauge  
 Far field limit } definition  
 - for field rad. integral } ←