





















complex a			
take a homogeneou ewave incident onto ectric half-space die	$\delta_i = \varepsilon_i - j$	$\frac{\sigma_{e,i}}{2\pi f_{e}}$ conductivity nittivity	/
			_
Examples	Permittivity	conductivity	
Examples Concrete	Permittivity 6	conductivity 10 ⁻²	
Examples Concrete Gypsum	Permittivity 6 6.5	conductivity 10 ⁻² 10 ⁻²	
Examples Concrete Gypsum Wood	Permittivity 6 6.5 23	conductivity 10 ⁻² 10 ⁻² 10 ⁻¹¹	_
Examples Concrete Gypsum Wood Glass	Permittivity 6 6.5 23 5	conductivity 10 ⁻² 10 ⁻¹¹ 10 ⁻¹²	



















































