

*Lecture 03 -- Telegrapher's equation, microstrip lines*

What is an analytical representation?

What does the impedance of free space represent? Can you measure it with a multimeter?

How do E and H fields relate to voltage and current in a pair of infinite plates?

What is the impedance of a wave propagating between two plates?

What is the velocity of a wave propagating between two plates?

What's a transmission line?

Draw a microstrip line

What are issues with microstrip lines

What is the input impedance of a general iterated ZY structure?

What is the propagation constant?

How does the propagation constant relate to delay and loss?