Lecture 04 -- Propagation Constant, Reflection Coefficient, Generalized Impedance

What is the expression for voltage as a function of propagation distance in a transmission line?

What is the propagation constant? What to the real and complex parts imply?

How are delay and phase related?

What is dispersion?

What are some special cases where you can relate the propagation constant to the RLGC parameters of a transmission line?

What happens when you terminate a finite line in the characteristic impedance?

What happens to a wave when you terminate a finite line in a non-characteristic impedance?

How do incident and reflected voltage and current waves add?

What is the reflection coefficient at the load?

What is the reflection coefficient at other points on the terminated line?

What is the impedance at other points on the terminated line?