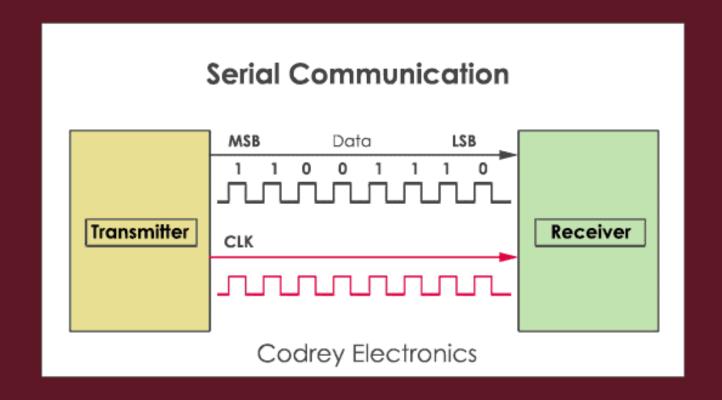
Buzzwords





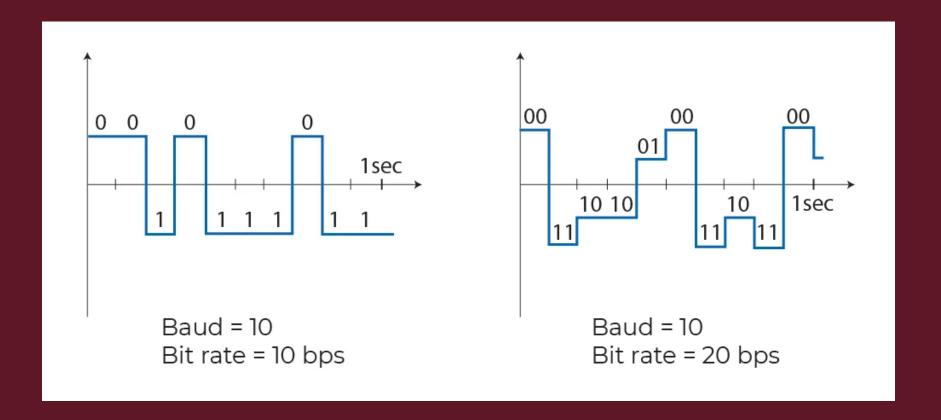
Serial Communications







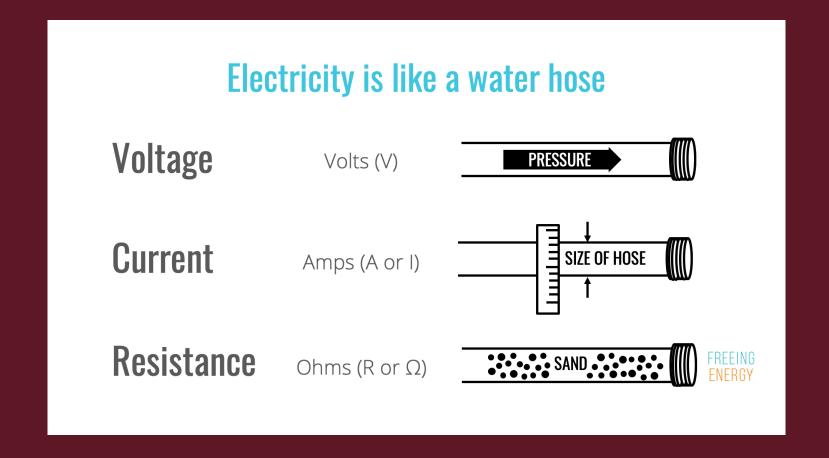
Baud rate vs Bit rate







Voltage, Current and Resistance







Impedance

• It's just resistance for AC circuits





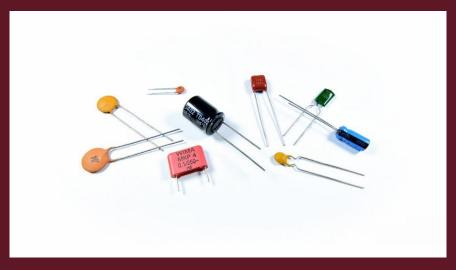
DC vs AC

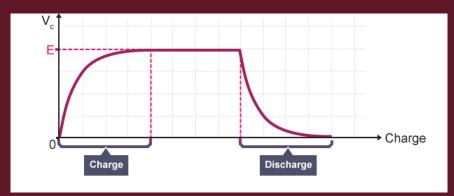
Alternating Current vs Direct Current DC AC If current were like water in a hose... DC would flow in one direction... TIME TIM





Capacitors – For voltage Electric field









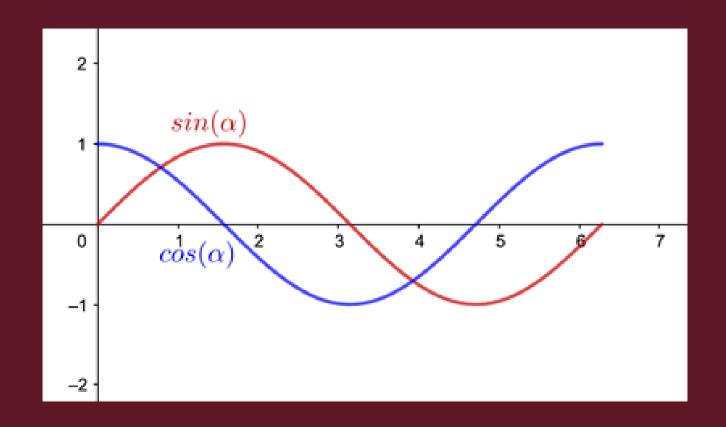
Inductors – For current Magnetic field







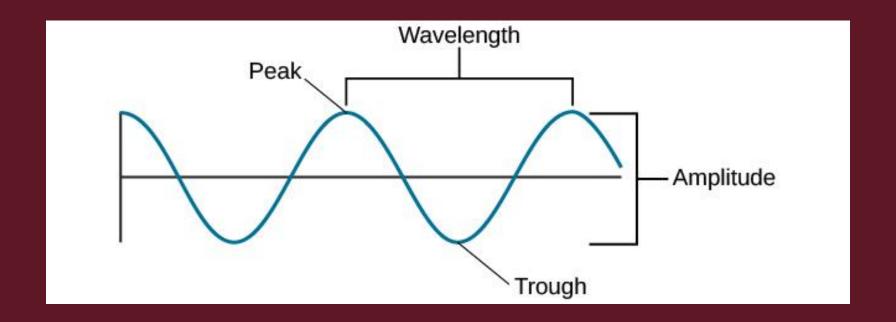
Signals and Systems







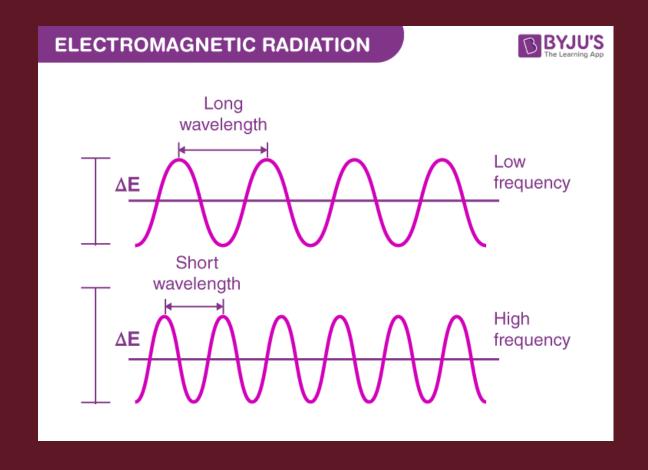
Amplitude and Frequency







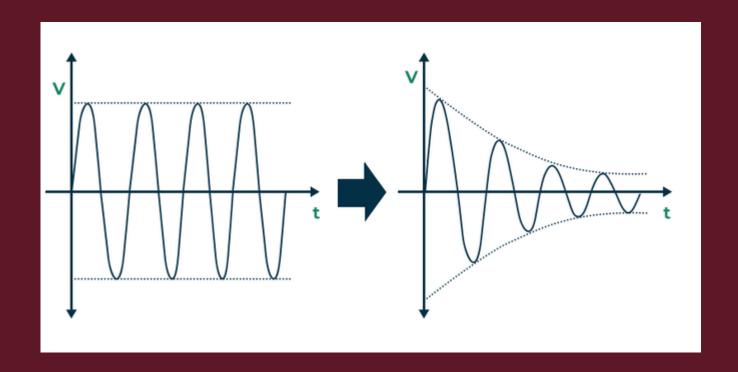
Frequency







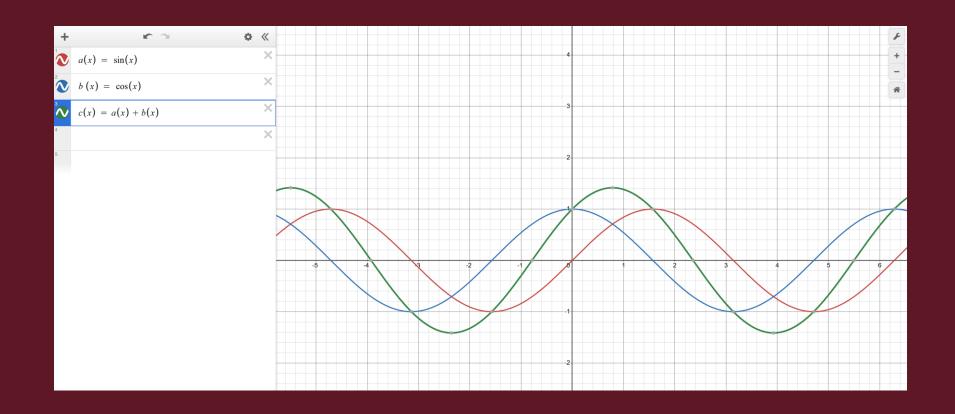
Attenuation





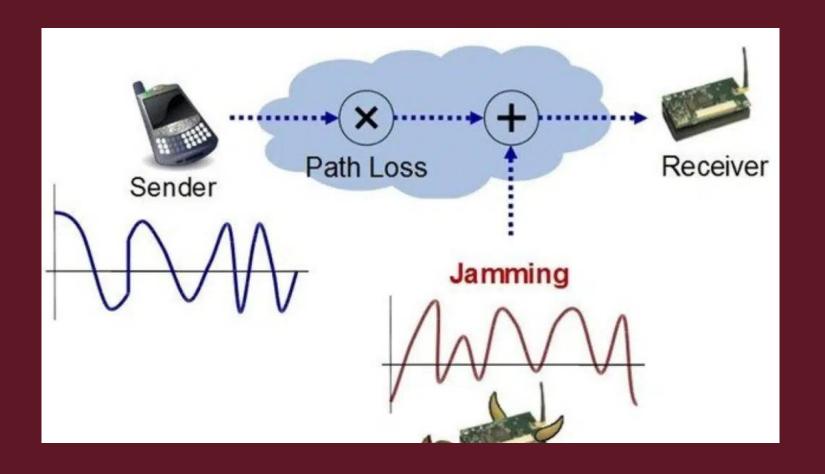


Adding waves





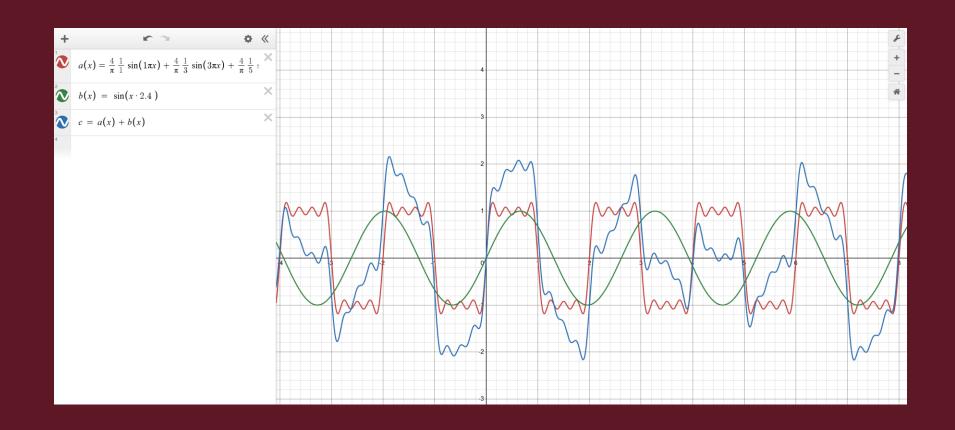
Jamming





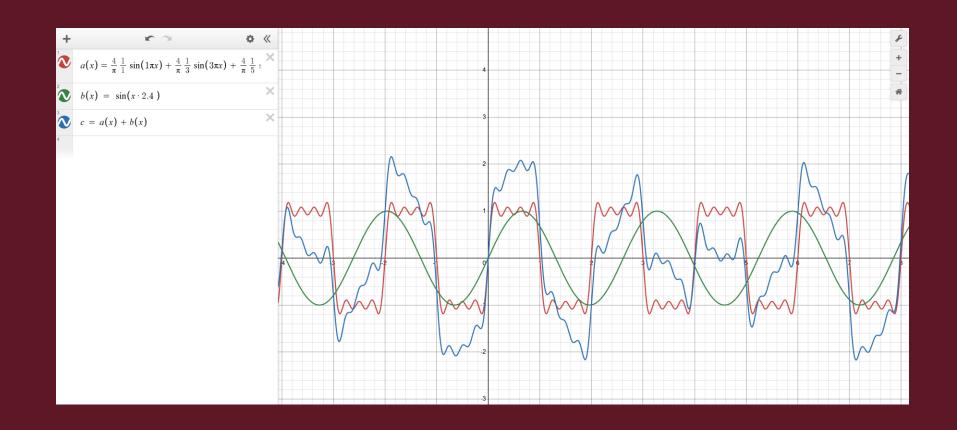


Modulation



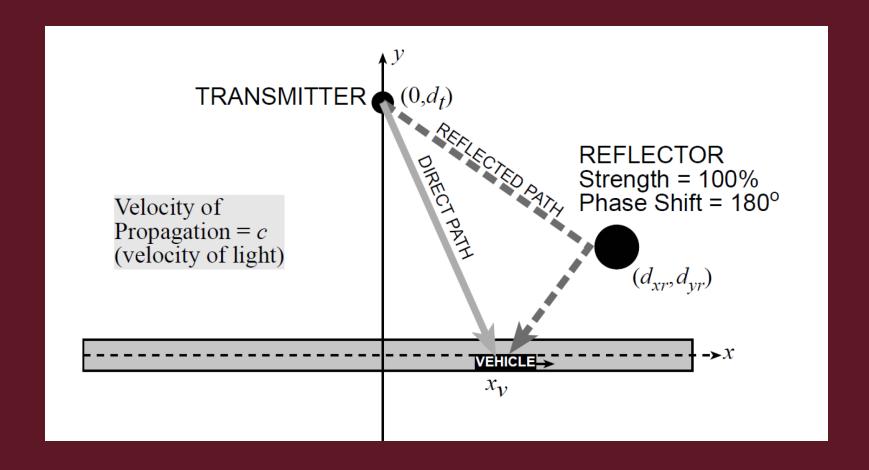


Demodulation





Multipath fading







Extra: Hamilton's Principle

