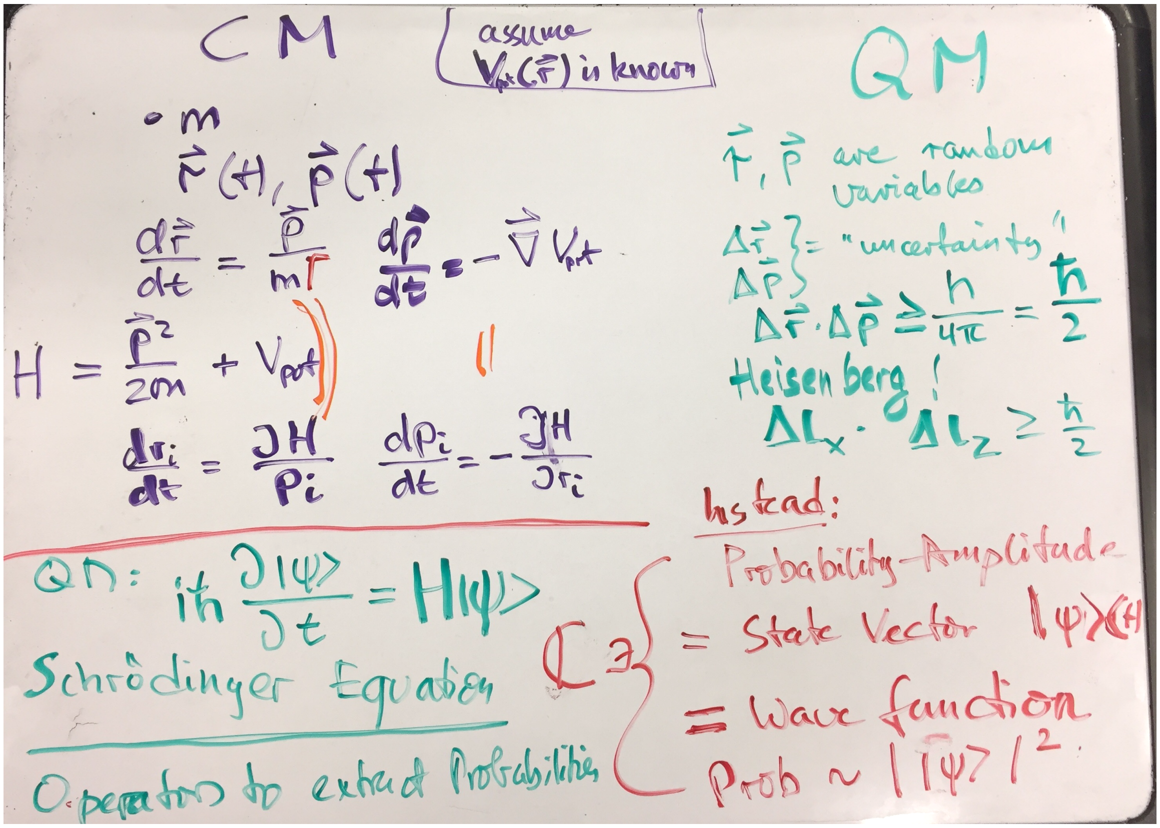
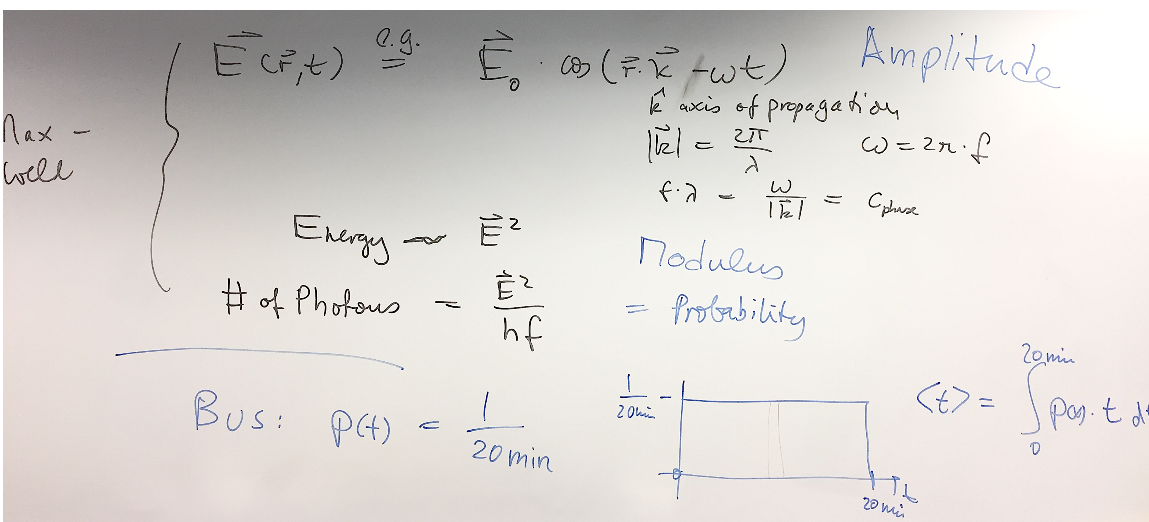
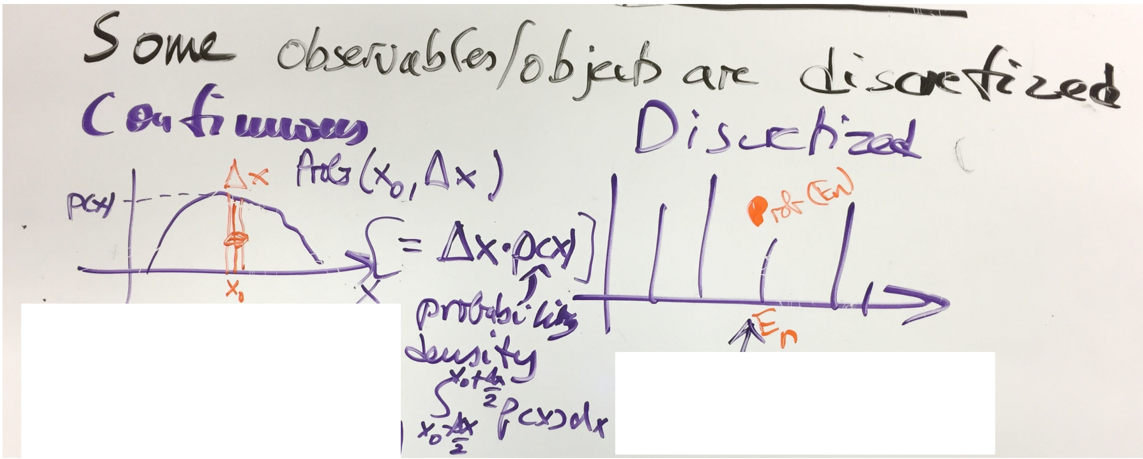


Quantum Mechanics vs. Classical Mechanics in a nutshell



Example for a wave (function) – electromagnetism. Amplitude vs, Probability (= Amplitude^2).



Continuous vs. discrete random variables. Examples: position (continuous) and energy (discrete = "quantized") in a hydrogen atom.