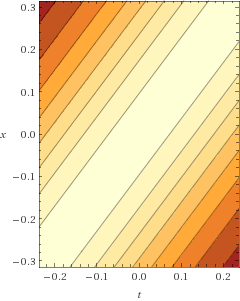
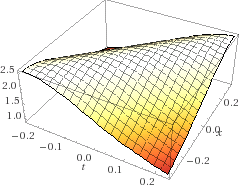
02/22/2017 Homework #5 PHY431-Optics

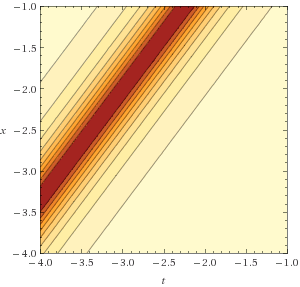
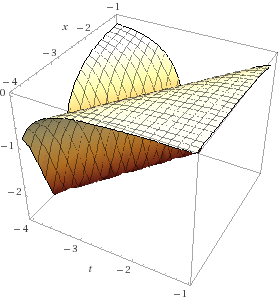
Superposition, Interference, Polarization

Problem 1)

Wave1: 5\*E/((3\*x-4\*t)^2+2) *assuming E =1*



Wave2: -5\*E/((3\*x+4\*t-6)^2+2) *assuming E = 1*



1. Describe the motion of the two waves
2. At what instant is their superposition everywhere zero?
3. At what point is their superposition always zero?