

Ph217c, Homework 2.

Due Thursday, April 17, 2008.

1. [50%] **Momentum Einstein equations for Newtonian gauge.** Dodelson #5.5. (You can use the momentum density $j^{\hat{i}} = T^{\hat{0}\hat{i}}$ derived in class to get the right-hand side of the equation.)
2. [50%] **Neutrino anisotropic stress.** Dodelson #6.2b–e. (We did part a in class.)