

Duke University  
Department of Physics

Physics 271

Spring Term 2017

## HOMEWORK 13

**Available: April 13**

**Due: April 20, at the beginning of class.**

**Reading:** Eggleston Chapter 8

**Problem 1:**

Show in detail for the full adder circuit covered in class that  $Z_1 = C_1 \oplus (X_1 \oplus Y_1)$ .

**Text Problems:**

Eggleston 8.6, 8.7