

UNIVERSITY OF CALIFORNIA, SANTA BARBARA  
Department of Physics  
2007 Winter Quarter

GALAXIES AND COSMOLOGY

Professor Treu

**HOMEWORK #9**  
The early Universe

Problem 1: **Redshift of Reionization**

Ryden 9.5

Problem 2: **Gamow's argument**

Ryden 10.3

Problem 2: **Stellar pollution**

Ryden 10.4

Problem 3: **Second inflation**

Ryden 11.3.