

Lectures 19, Tu., Oct. 24

Reading homework: Section 4.5 of reference 1 and section2 2.6 and 2.7 of the book of Waltman (A Second Course in Elementary Differential Equations, Dover, 2004, \$11.82 at walmart.com)

Poincare-Bendixson Theorem and Dulac Criterion

We covered much of the section 4.5 in reference 1: Mathematical Models in Population Biology and Epidemiology, by Fred Brauer, Carlos Castillo-Chavez.

We will cover section2 2.6 of the book of Waltman (A Second Course in Elementary Differential Equations, Dover, 2004) on Thursday, Oct. 26.