

Attendance Quiz for Lecture 7 of Dr. Z.'s Dynamical Models in Biology class

Ms. Aurora Hiveley, guest-lecturer

Name: (print!)

Email: (print!)

1. Find all the steady-states of the non-linear recurrence

$$x(n+1) = \frac{5}{2} x(n) (1 - x(n)) \quad .$$

Which of them is a stable steady-state?

What is $\lim_{n \rightarrow \infty} x(n)$ if $x(0)$ is between 0 and 1?