Due Friday by 2:15pm Points 50 Submitting a file upload File Types pdf Available Apr 23 at 1:25pm - Apr 23 at 2:18pm about 1 hour

This assignment was locked Apr 23 at 2:18pm.

Consider
$$rac{dN_1}{dt}=p-\lambda_1N_1, rac{dN_2}{dt}=\lambda_1N_1-\lambda_2N_2,$$

where
$$p,\lambda_1,\lambda_2$$
 are positive constants. Given $N_1(0)=N_2(0)=0,$

(a) find $N_1(t)$, N_2 f(dr) t > 040 points) and

(b) justify the limiting values of N_1, N_2 s $t \to \infty 10$ points)