
CS 374 : COMPUTATIONAL AND NUMERICAL METHODS
SET 17

SYSTEMS OF DIFFERENTIAL EQUATIONS

PREY-PREDATOR MODEL

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1	$y_1 = 3, y_2 = 5$	2
2	$y_1 = 3, y_2 = 1$	3
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4	$y_1 = 3, y_2 = 1.9$	5

1 $y_1 = 3, y_2 = 5$

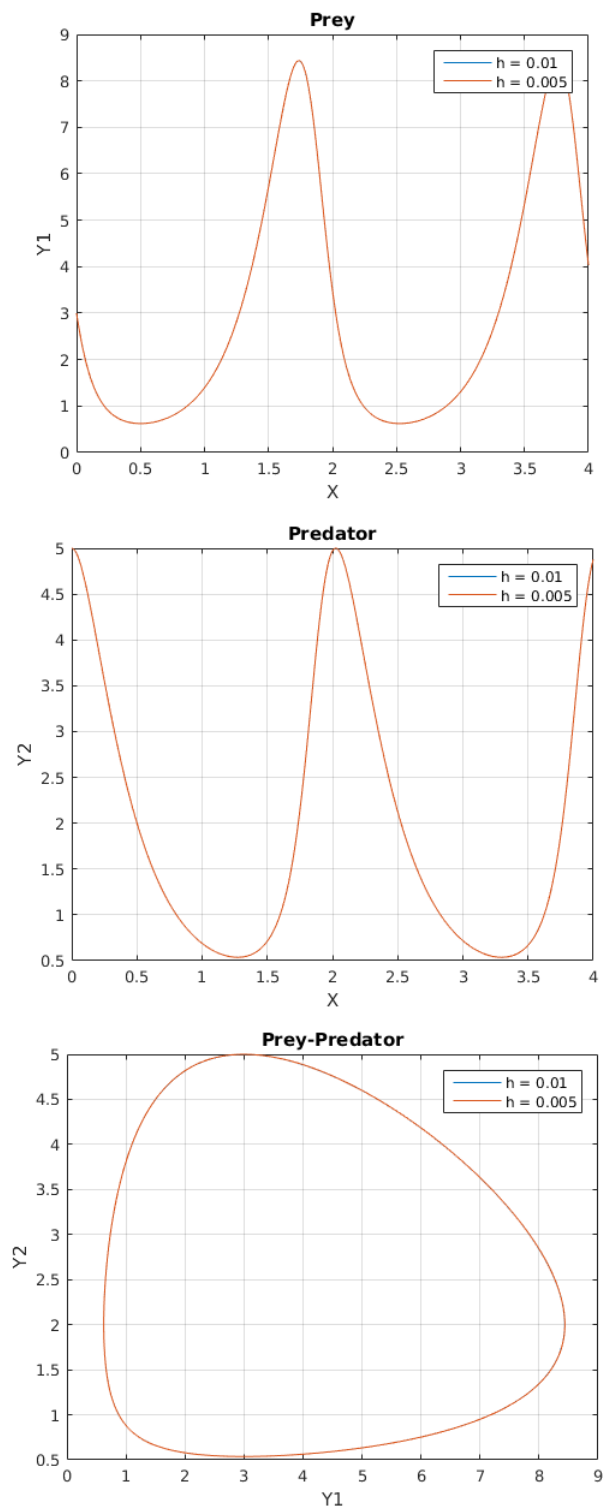


Figure 1: $y_1 = 3, y_2 = 5$

2 $y_1 = 3, y_2 = 1$

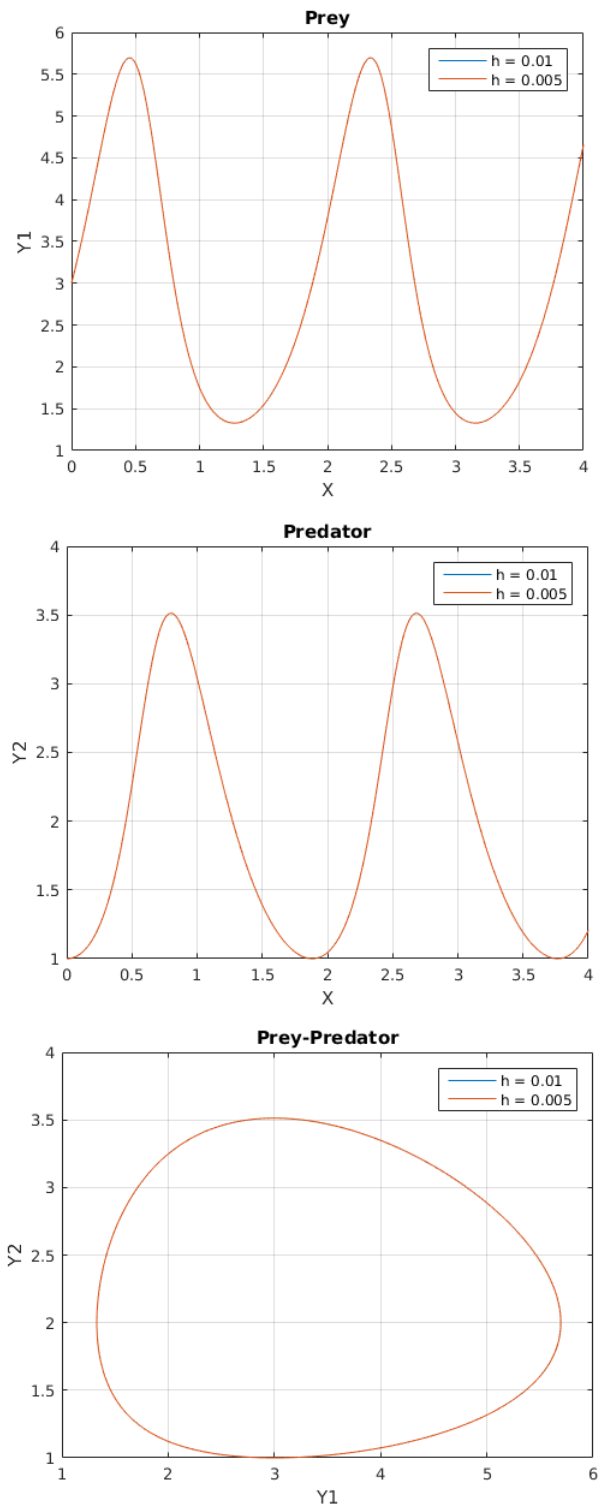


Figure 2: $y_1 = 3, y_2 = 1$

3 $y_1 = 3, y_2 = 1.5$

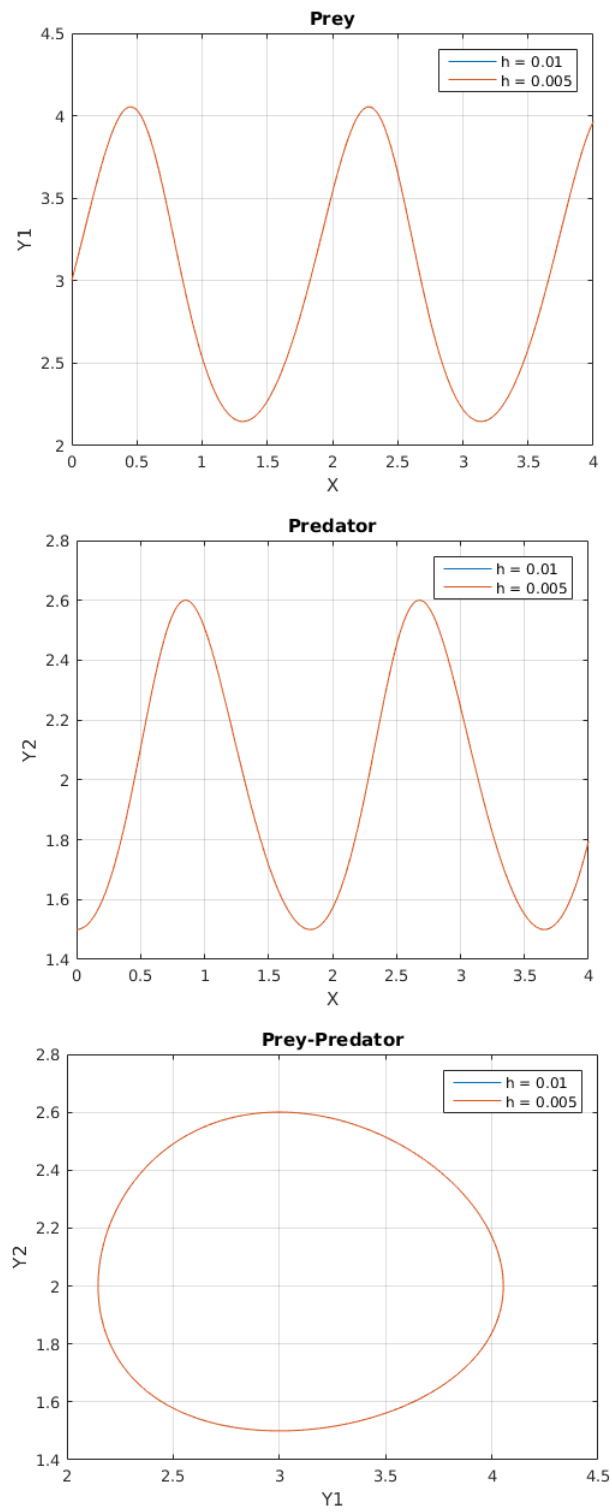


Figure 3: $y_1 = 3, y_2 = 1.5$

4 $y_1 = 3, y_2 = 1.9$

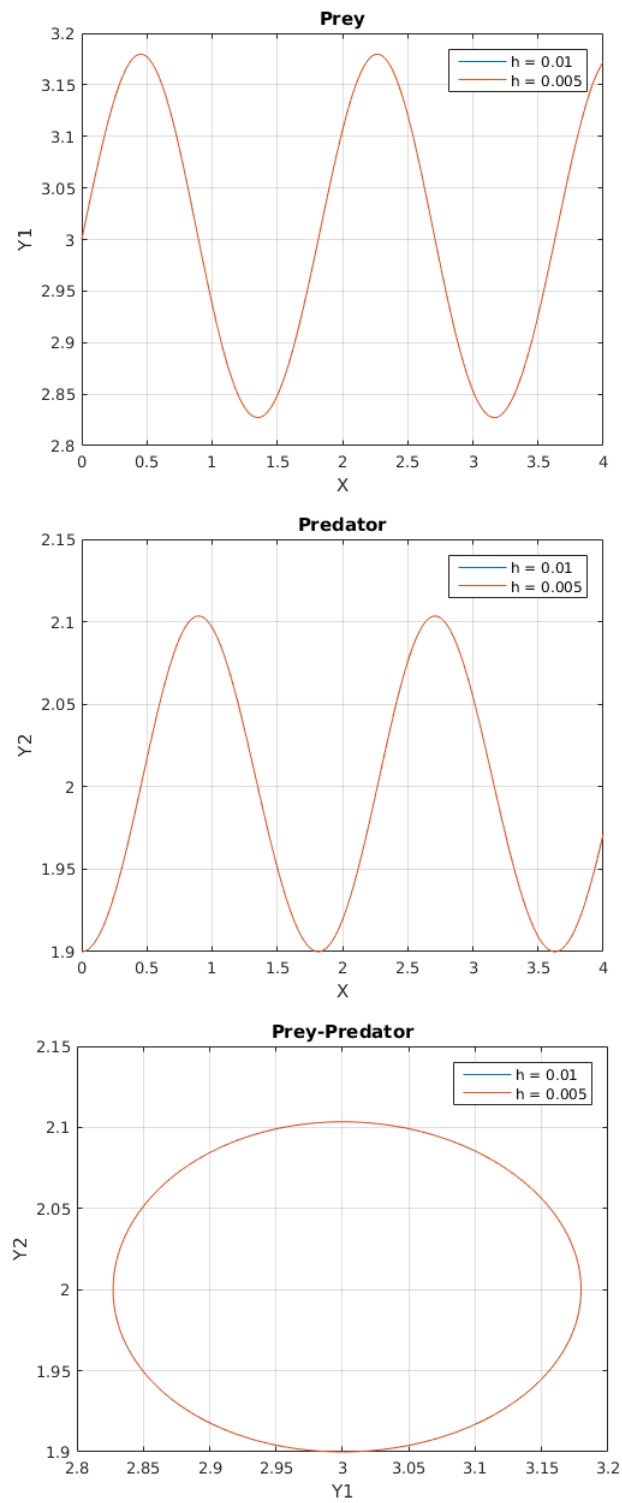


Figure 4: $y_1 = 3, y_2 = 1.9$