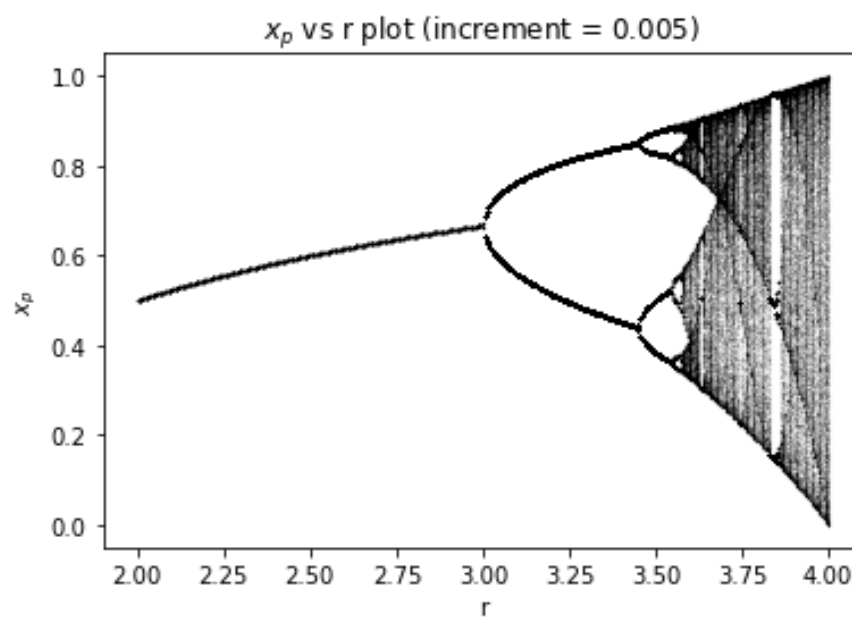
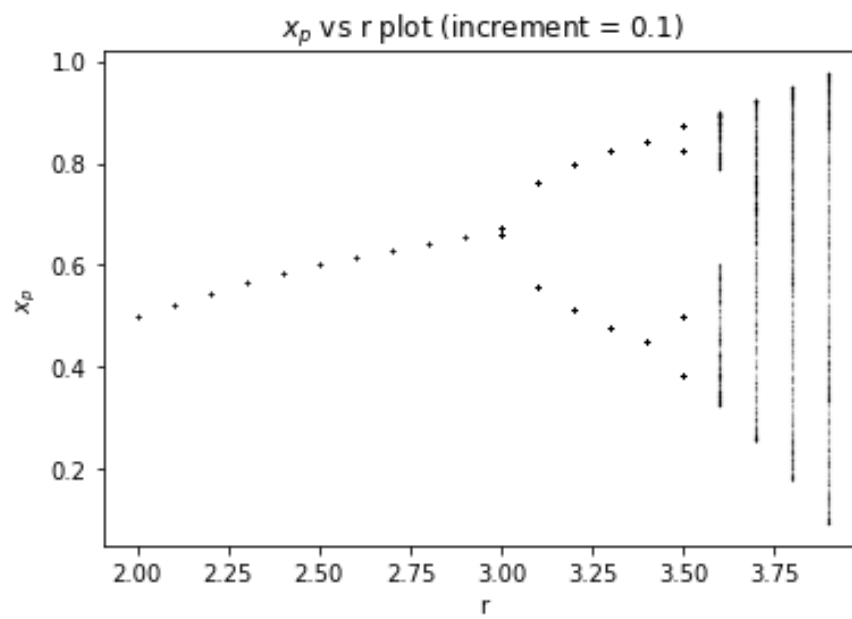


Lab1 Qeustion 2 (d)

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1 Plot



2 Comments

For $r < 3$ the x - r plot shows a single line. This corresponds to the observation in Q2(c), when $r = 2$ and $r = 2.5$, the plots converge.

For $r \in [3, 3.5]$, the x - r plot first splits at $r = 3$, it then splits again at around 3.4, then at around 3.5. This corresponds to the x - p plot that at $r = 3$, the graph tends to oscillate.

For $r > 3.5$, the x - r plot turns chaotic, this can also be seen from the the x - p plot that when $r = 3.5$ and $r = 4$, the graphs are extremely wavy and chaotic.