Baseline Coral-Fish Population Growth
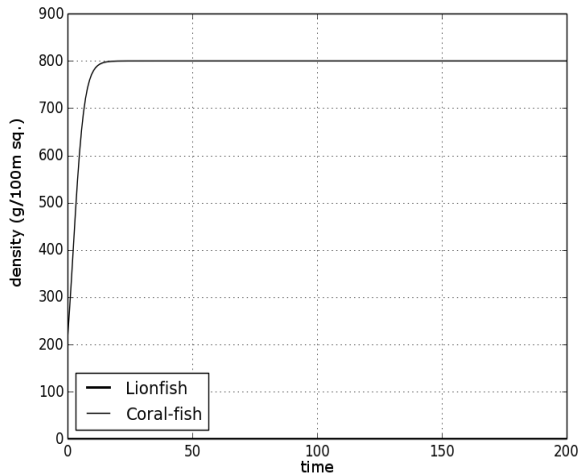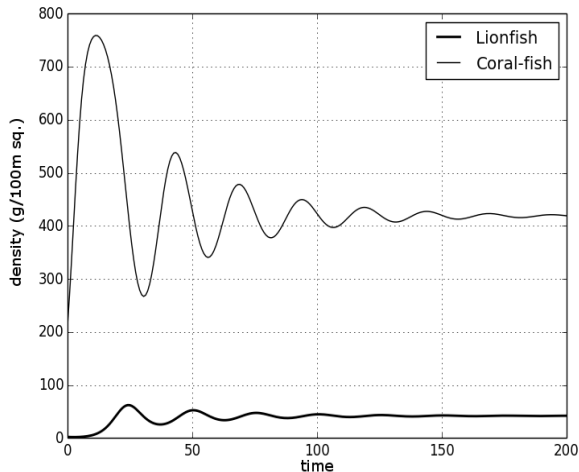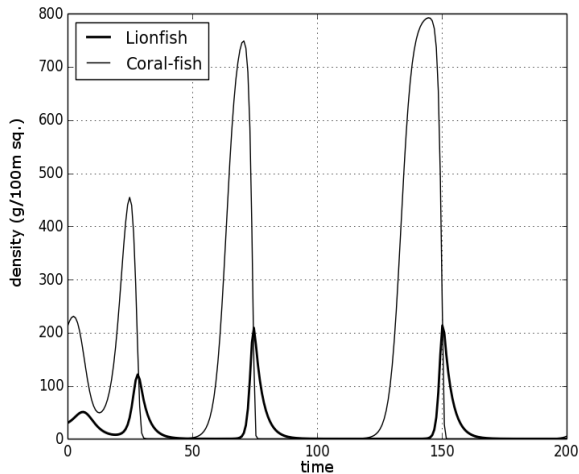

- C0 = 212
- RC = .447
- K = 800

Introducing Lionfish Population
at a Reduced Conversion Rate
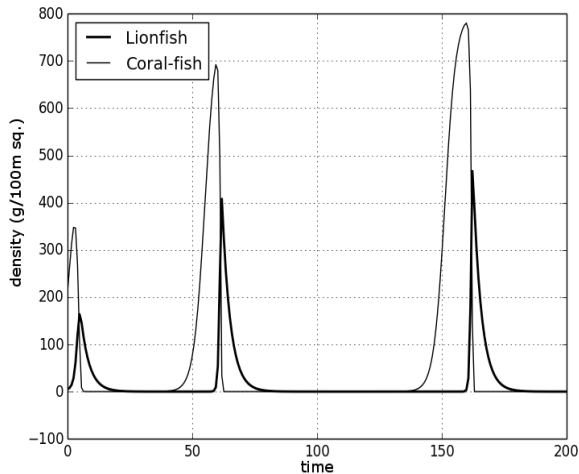

- $h_{CL} = 8.6/240$
- $b_L = .02$
- $d_L = .3$

Half "Rule of ten" Conversion Rate

- $h_{CL} = 8.6/240$
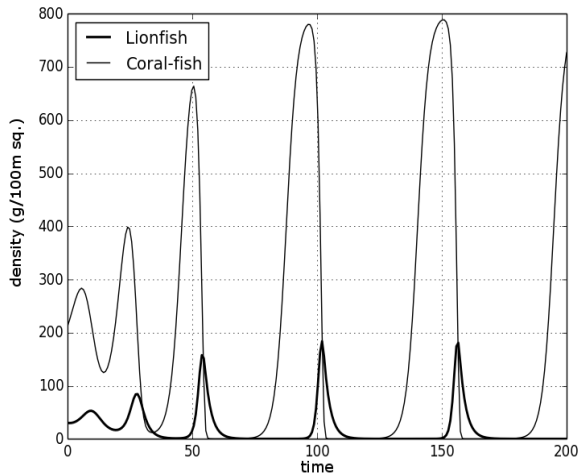- $b_L = .05$
- $d_L = .3$

"Rule of ten" Conversion Rate

- $h_{CL} = 8.6/240$
- $b_L = .1$
- $d_L = .3$
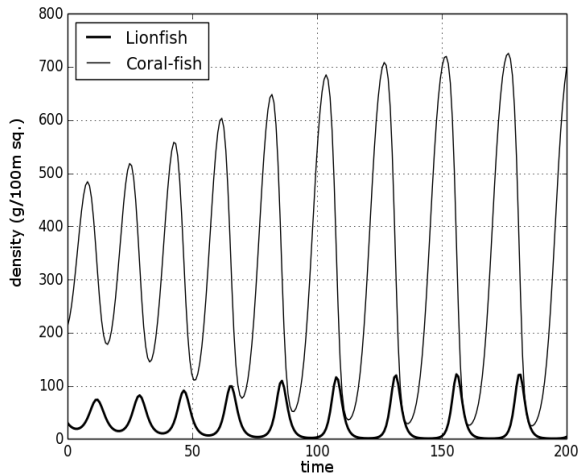
Introducing Grouper Harvesting
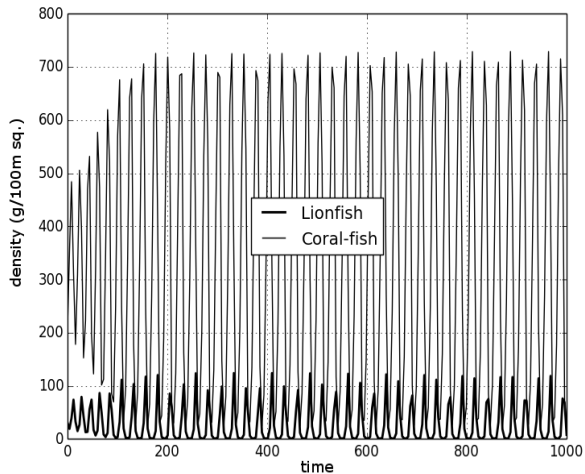

- $h_{LG} = 0.1$

Increasing Grouper Harvest
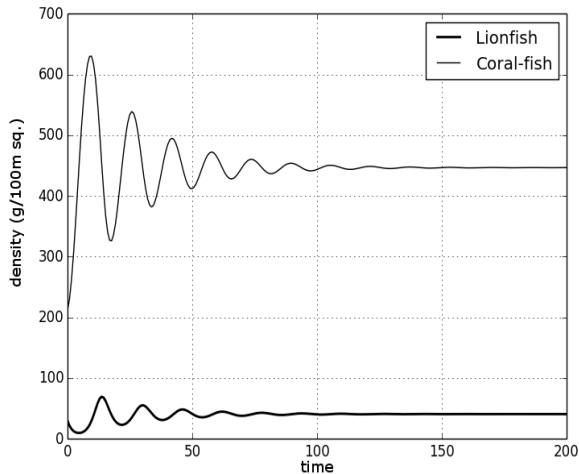

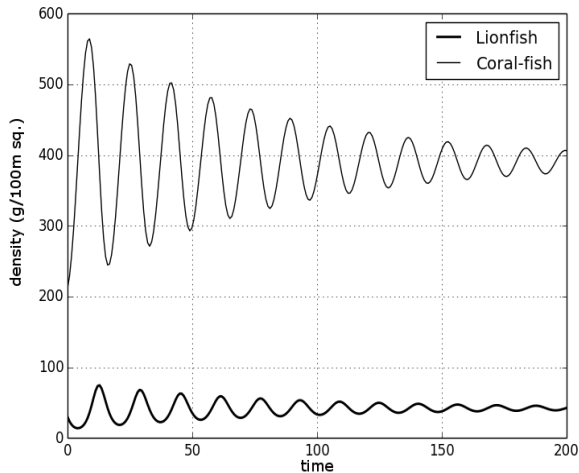$h_{LG} = 0.3$

Extended Time

- $h_{LG} = 0.3$

Significant Increase in Grouper Harvest
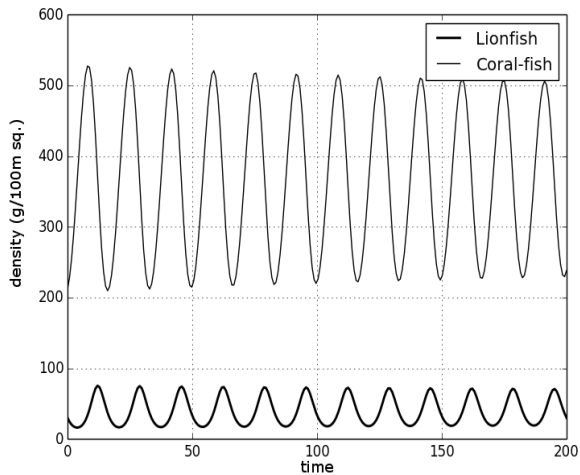

▶ $h_{LG} = 0.5$
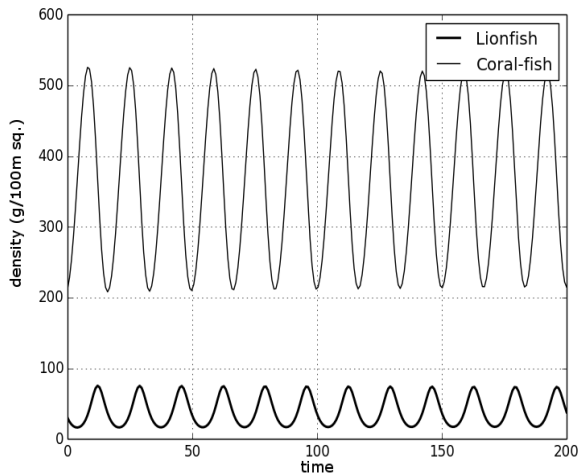
Decreasing Grouper Harvest to Find Threshold
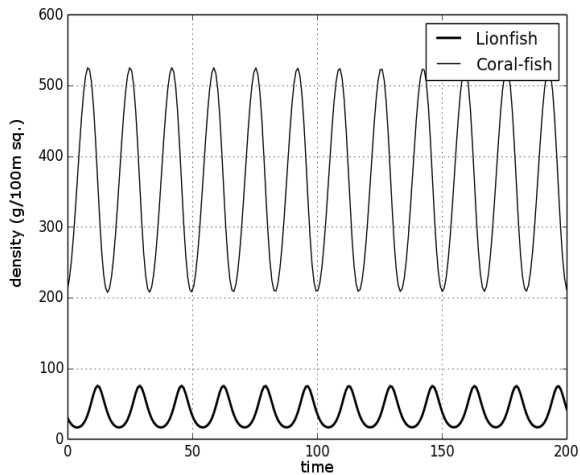

▶ $h_{LG} = 0.40$

$h_{LG} = 0.3525$

► $h_{LG} = 0.349$

$h_{LG} = 0.35$

$h_{LG} = 0.35$