/\*

FuncResponse param file, CourseWare 0.2, vfb, 981130

\*/

courseware.util.CourseWareApplet {

background "background" = ( 192 192 192 )

commentRows "Comment rows" = 3

logo "logo" = ( "pages/crocIcon.jpg" "http://reef.biology.yale.edu/cgi-bin/discus/show.cgi?28/28" 98 50 )

reader "Discussion" = ( "Discussion" "eco/iso/Readers.func/discussion.html" )

reader "Questions" = ( "Questions" "eco/iso/Readers.func/questions.html" )

reader "Details" = ( "Details" "eco/iso/Readers.func/underhood.html" )

reader "Homework" = ( "Homework" "eco/iso/Readers.func/homework.html" )

reader "References" = ( "References" "eco/iso/Readers.func/refs.html" )

}

Scenario "Functional Response" {

courseware.util.CourseWareApplet {

moduleToRun "moduleToRun" = "courseware.plot.PlotModule"

comment "comment" = "Compare functional responses."

}

courseware.plot.PlotModule {

setSteps "steps" = 101

ParamList resetRange "Plot Limits" {

xmax "Prey : " = 1000.0

ymax "Functional Response : " = 50

}

makeButton "plotlims" = "Plot Limits"

// these are for CourseAwareAdapter's superclass palette

makePalette "Palette" = ( 10 0 )

keepPalette "keep" = ( ) // this palette for all scenarios

makePaletteButton "Colors" = ( "Colors" 1 )

// axis labels

setXAxisLabel "xaxis" = "Prey"

setYAxisLabel "yaxis" = "Functional Response"

// and the function

addFunction "typeI" = ( "Type I Response" "eco.iso.TypeIResponse" )

addFunction "typeII" = ( "Type II Response" "eco.iso.TypeIIResponse" )

addFunction "typeIII" = ( "Type III Response" "eco.iso.TypeIIIResponse" )

}

eco.iso.TypeIResponse {

setArgs "allI" = ".05"

}

eco.iso.TypeIIResponse {

setArgs "allII" = ".05 .02"

}

eco.iso.TypeIIIResponse {

setArgs "allIII" = ".05 .02"

}

}

Scenario "Linear Codependent" {

courseware.util.CourseWareApplet {

moduleToRun "moduleToRun" = "eco.iso.Isoclines"

comment "comment" = "Linear Codependent.\nAdd trajectories to predator/prey system."

}

eco.iso.Isoclines {

ParamList rerun "Time" {

setMaxTime "run to time" = 50.0

setDt "dt approximation" = .005

setPlotNth "plot nth" = 10

}

makeButton "TimeButton" = "Time"

setIsoSteps "isosteps" = 2

setSystem "system" =

( "LinearCodep" "eco.iso.LinearCodep" "0.5 0.05 0.5 0.5" )

addTrajectory "initTrajectory" =

( "10,10" 10.0 10.0 )

}

eco.iso.LinearCodep {

setDt "dt" = .005

setPlotNth "nth" = 10

}

}

Scenario "Saturated Predator" {

courseware.util.CourseWareApplet {

moduleToRun "moduleToRun" = "eco.iso.Isoclines"

comment "comment" = "Saturated Predator.\nAdd trajectories to predator/prey system."

}

eco.iso.Isoclines {

ParamList rerun "Time" {

setMaxTime "run to time" = 50.0

setDt "dt approximation" = .005

setPlotNth "plot nth" = 10

}

makeButton "TimeButton" = "Time"

setIsoSteps "isosteps" = 2

setSystem "system" =

( "SatPred" "eco.iso.SatPred" "0.5 0.05 0.5 0.5 .001" )

addTrajectory "initTrajectory" =

( "10,10" 10.0 10.0 )

}

eco.iso.SatPred {

setDt "dt" = .005

setPlotNth "nth" = 10

}

}

Scenario "Saturated Predator, Logistic Prey" {

courseware.util.CourseWareApplet {

moduleToRun "moduleToRun" = "eco.iso.Isoclines"

comment "comment" = "Saturated Predator, Logistic Prey.\nAdd trajectories to predator/prey system."

}

eco.iso.Isoclines {

ParamList rerun "Time" {

setMaxTime "run to time" = 50.0

setDt "dt approximation" = .005

setPlotNth "plot nth" = 10

}

makeButton "TimeButton" = "Time"

setIsoSteps "isosteps" = 2

setSystem "system" =

( "SatPredLogPrey" "eco.iso.SatPredLogPrey" "0.5 0.05 0.5 0.5 .001 70" )

addTrajectory "initTrajectory" =

( "10,10" 10.0 10.0 )

}

eco.iso.SatPredLogPrey {

setDt "dt" = .005

setPlotNth "nth" = 10

}

}

Scenario "Fighting Saturated Predator, Logistic Prey" {

courseware.util.CourseWareApplet {

moduleToRun "moduleToRun" = "eco.iso.Isoclines"

comment "comment" = "Fighting Saturated Predator, Logistic Prey.\nAdd trajectories to predator/prey system."

}

eco.iso.Isoclines {

ParamList rerun "Time" {

setMaxTime "run to time" = 50.0

setDt "dt approximation" = .005

setPlotNth "plot nth" = 10

}

makeButton "TimeButton" = "Time"

setIsoSteps "isosteps" = 31

setSystem "system" =

( "FightSatPredLogPrey" "eco.iso.FightSatPredLogPrey" "0.5 0.05 0.5 0.5 .001 70 .05" )

addTrajectory "initTrajectory" =

( "10,10" 10.0 10.0 )

}

eco.iso.FightSatPredLogPrey {

setDt "dt" = .005

setPlotNth "nth" = 10

}

}