/\*

LottkaV param file, CourseWare 0.2, vfb, 981120

\*/

courseware.util.CourseWareApplet {

background "background" = ( 192 192 192 )

commentRows "Comment rows" = 3

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

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.compete/discussion.html" )

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

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

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

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

}

eco.iso.Isoclines {

ParamList rerun "Time" {

setMaxTime "run to time" = 100.0

setDt "dt approximation" = .01

setPlotNth "plot nth" = 10

}

makeButton "Time" = "Time"

}

eco.iso.IsoPlot2D {

setStateLabel "N1" = ( 0 "N1" )

setStateLabel "N2" = ( 1 "N2" )

}

Scenario "Q1 Case A" {

eco.iso.Isoclines {

comment "comment" = "Case A, no isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 0

// species 1 r, K, effect2on1, species 2 r, K, effect1on2

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "0.4 100.0 0.8 0.4 50.0 1.5" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case A" )

}

}

Scenario "Q1 Case B" {

eco.iso.Isoclines {

comment "comment" = "Case B, no isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 0

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "0.4 100 0.8 0.4 130 1.5" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case B" )

}

}

Scenario "Q1 Case C" {

eco.iso.Isoclines {

comment "comment" = "Case C, no isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 0

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "1.25 100.0 0.6 1.25 130.0 0.6" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case C" )

}

}

Scenario "Q2 Case A" {

eco.iso.Isoclines {

comment "comment" = "Case A, with isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 1

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "0.4 100.0 0.8 0.4 50.0 1.5" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case A" )

}

}

Scenario "Q2 Case B" {

eco.iso.Isoclines {

comment "comment" = "Case B, with isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 1

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "0.4 100 0.8 0.4 130 1.5" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case B" )

}

}

Scenario "Q2 Case C" {

eco.iso.Isoclines {

comment "comment" = "Case C, with isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 1

setSystem "system" =

( "LotkaVolterra" "eco.iso.LotkaVFn" "1.25 100.0 0.6 1.25 130.0 0.6" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case C" )

}

}

Scenario "???" {

eco.iso.Isoclines {

comment "comment" = "Mystery case ???, no isoclines."

setIsoSteps "isosteps" = 2

setShowIsoclines "showIso" = 0

setSystem "system" =

( "MLotkaVolterra" "eco.iso.MutualLVFn" "0.4 100 0.8 0.4 130 1.5 2 3" )

addTrajectory "initTrajectory" =

( "150,150" 150.0 150.0 )

}

eco.iso.IsoPlot2D {

setTimeLabel "t" = ( 0 "Time: Case ???" )

}

}