

UNIT 6: Competition

Outline

Introduction

Population model with competition

- Balanced competition

- Unbalanced competition

Population-level interactions

- Invasion theory

- Colonization and co-existence

Niches and coexistence

- The competitive exclusion principle

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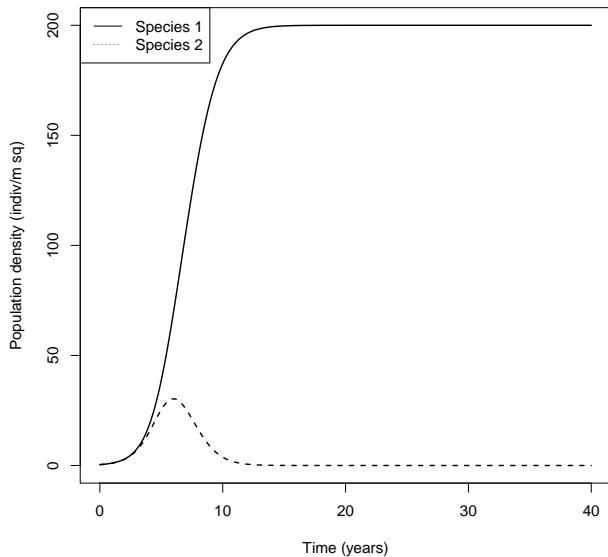
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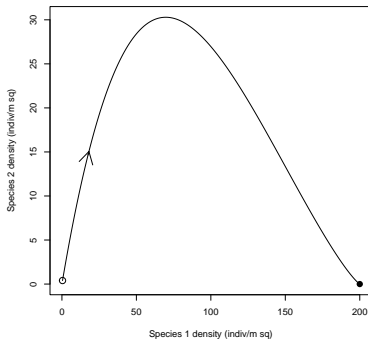
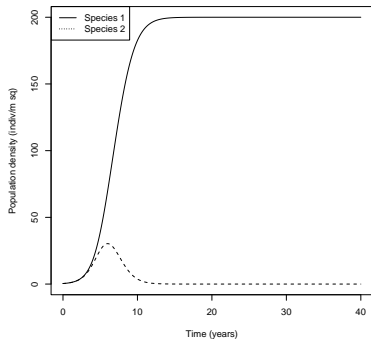
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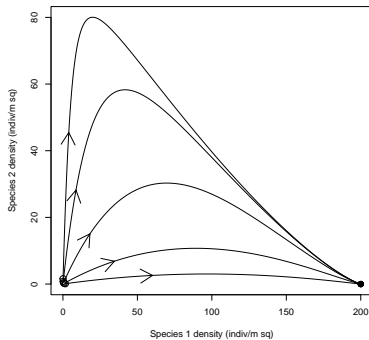
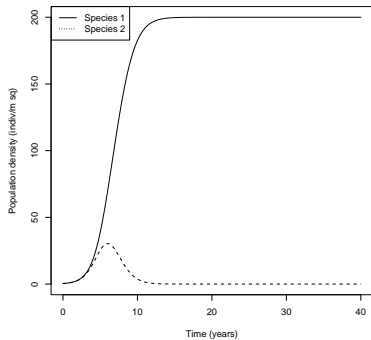
Dominance time plot



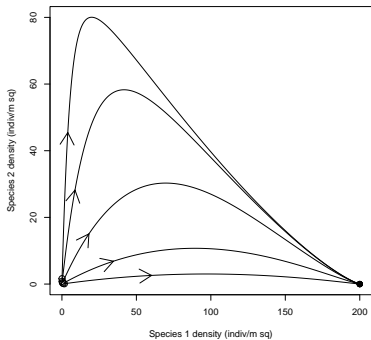
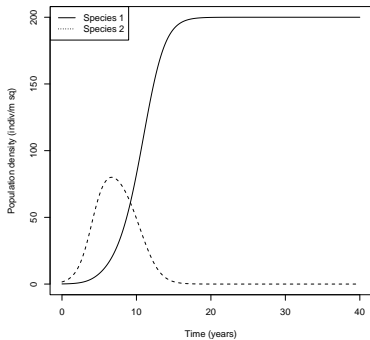
Dominance phase plot



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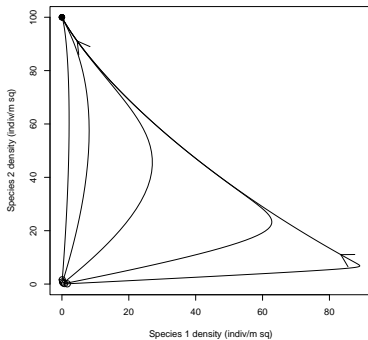
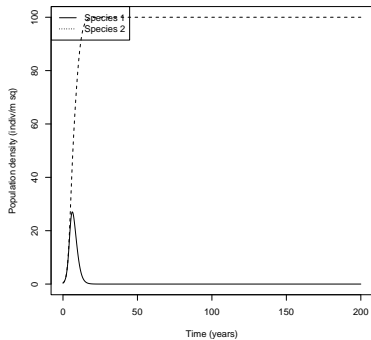
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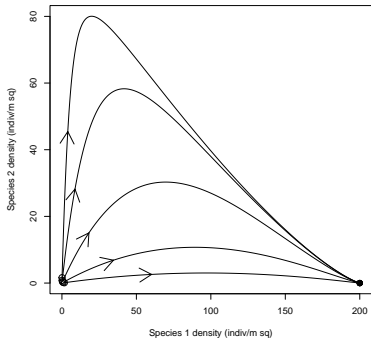
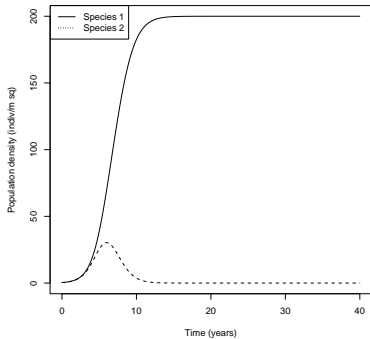
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What's the difference? (repeat)



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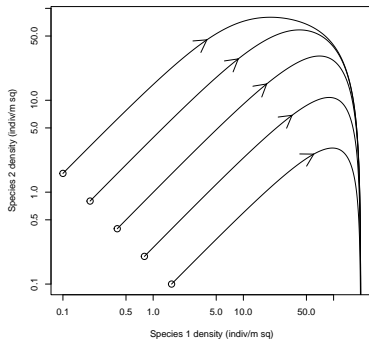
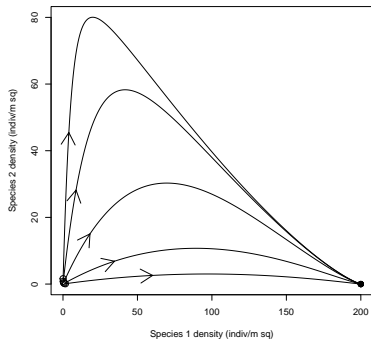
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Outline

Introduction

Population model with competition

- Balanced competition

- Unbalanced competition

Population-level interactions

- Invasion theory

- Colonization and co-existence

Niches and coexistence

- The competitive exclusion principle

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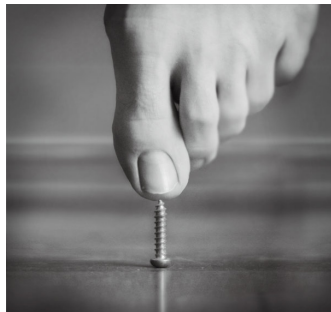
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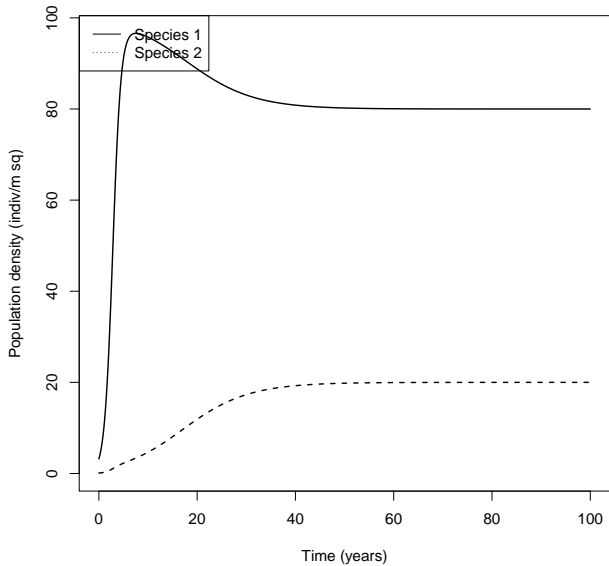
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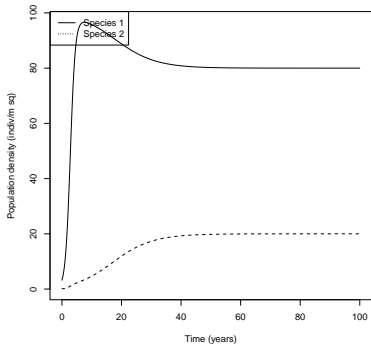
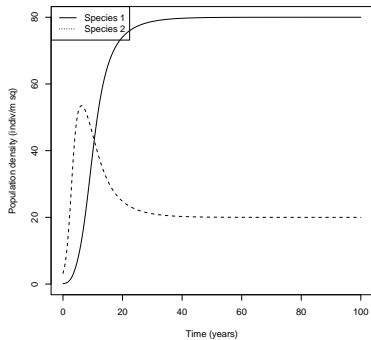
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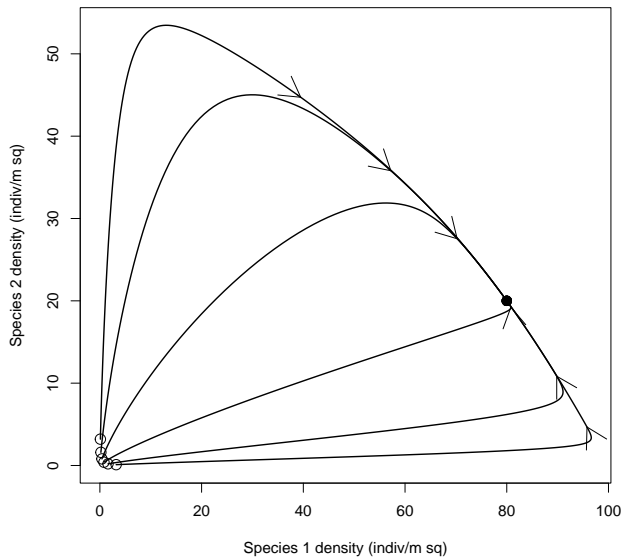
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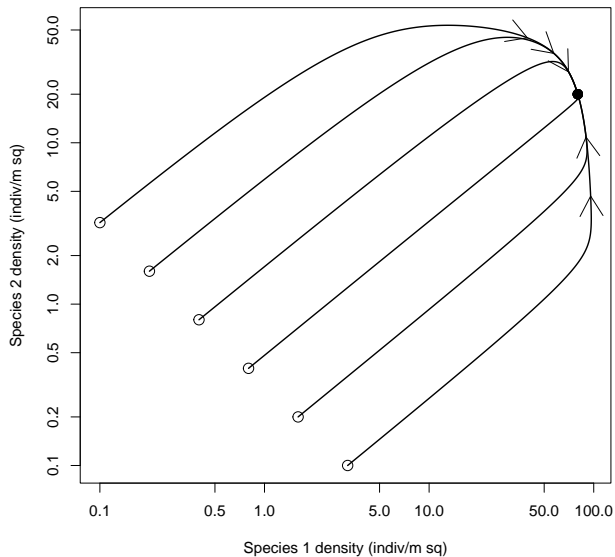
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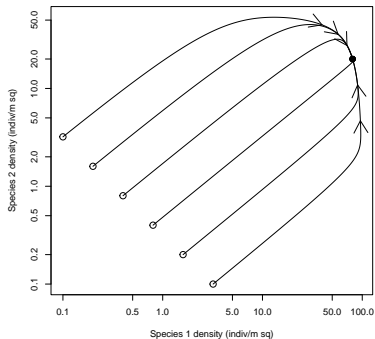
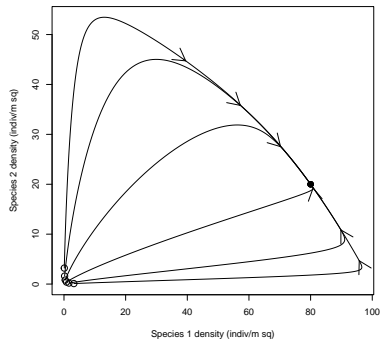
Coexistence phase plot



Coexistence phase plot (log scale)



Coexistence phase plots



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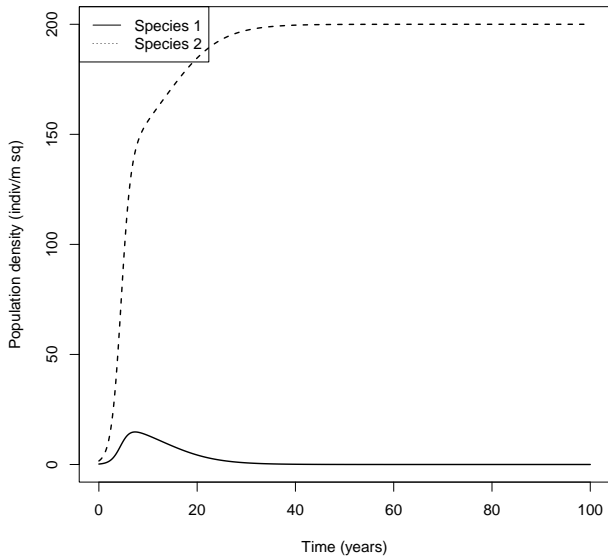
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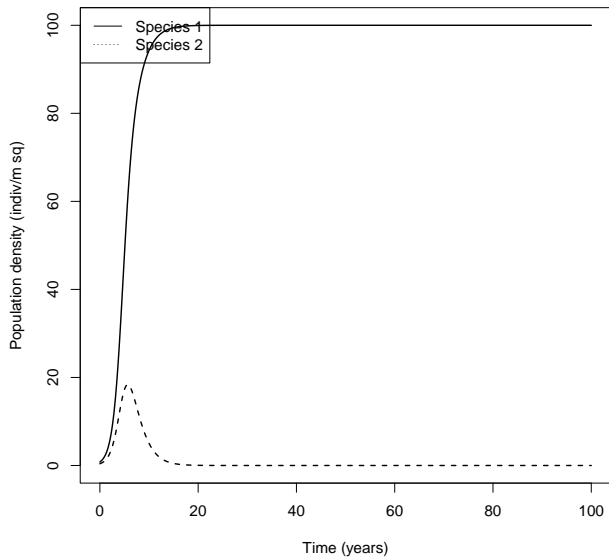
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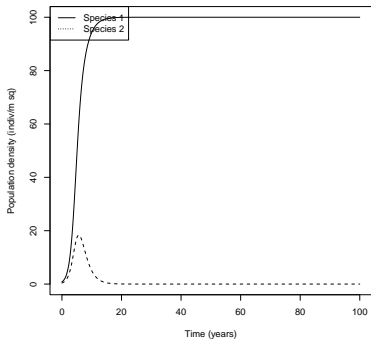
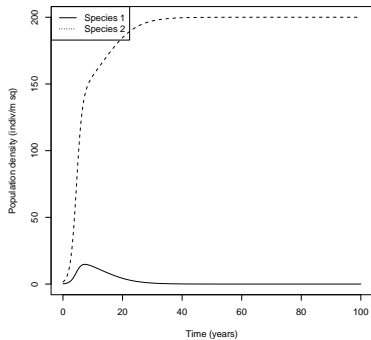
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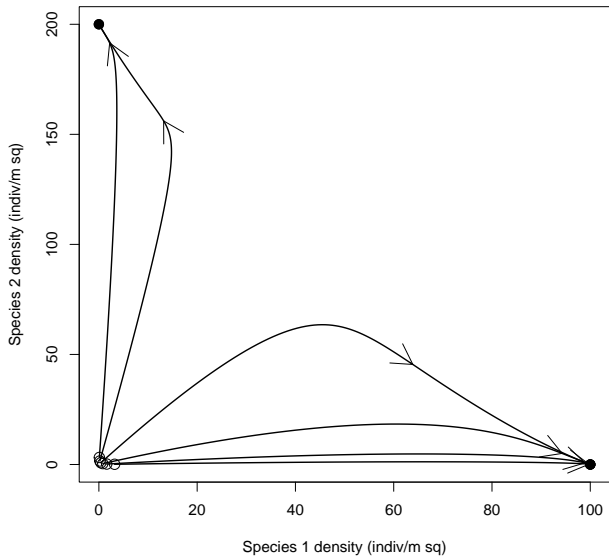
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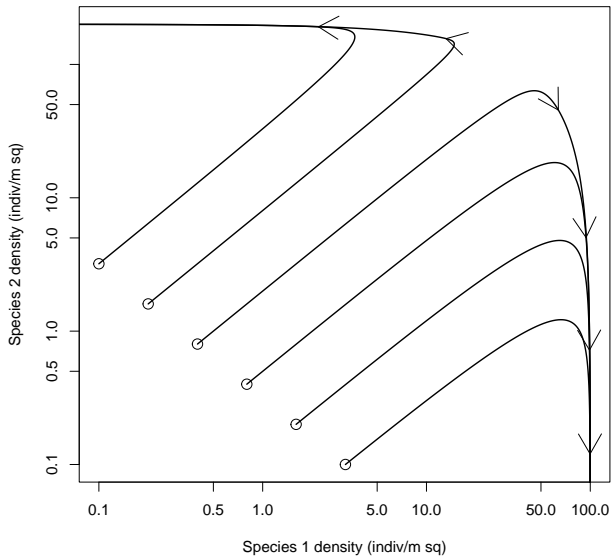
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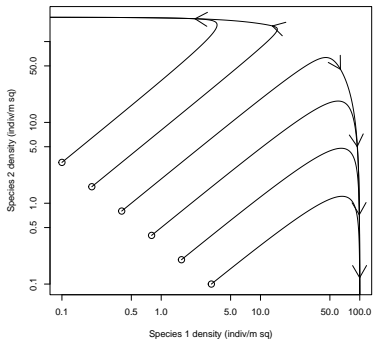
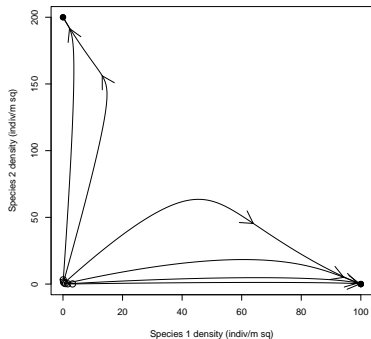
Founder control phase plot



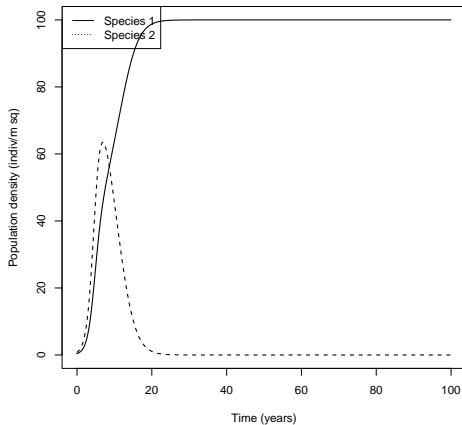
Founder control phase plot (log scale)



Founder control phase plots

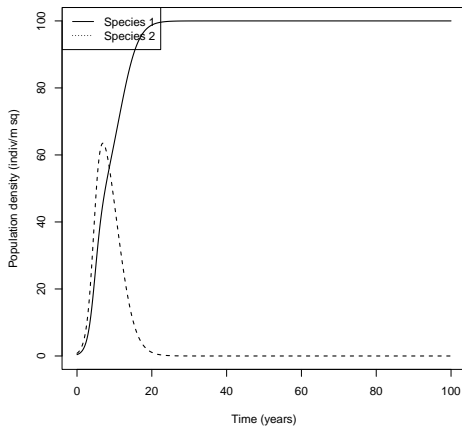


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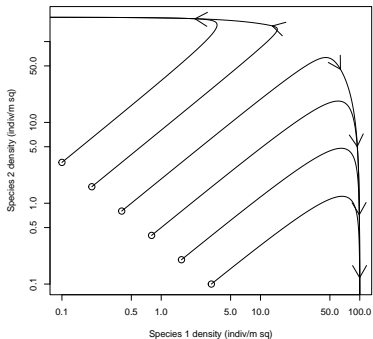
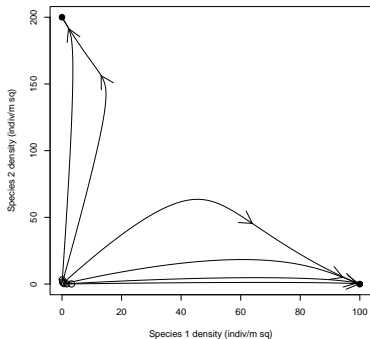
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- Balanced competition

- Unbalanced competition

Population-level interactions

- Invasion theory

- Colonization and co-existence

Niches and coexistence

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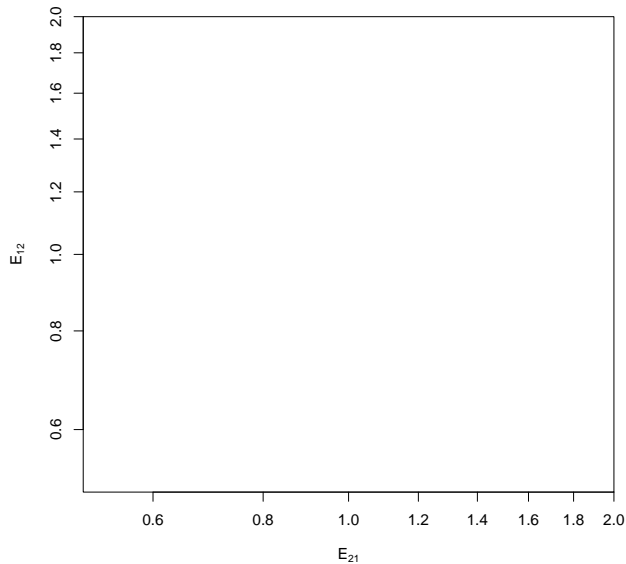
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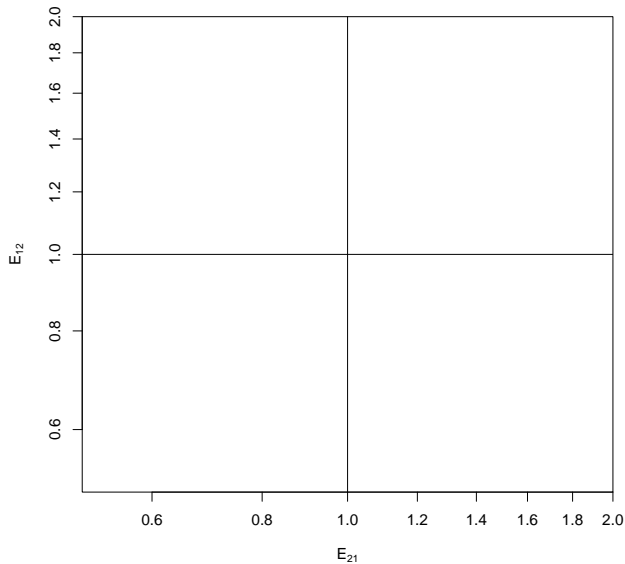
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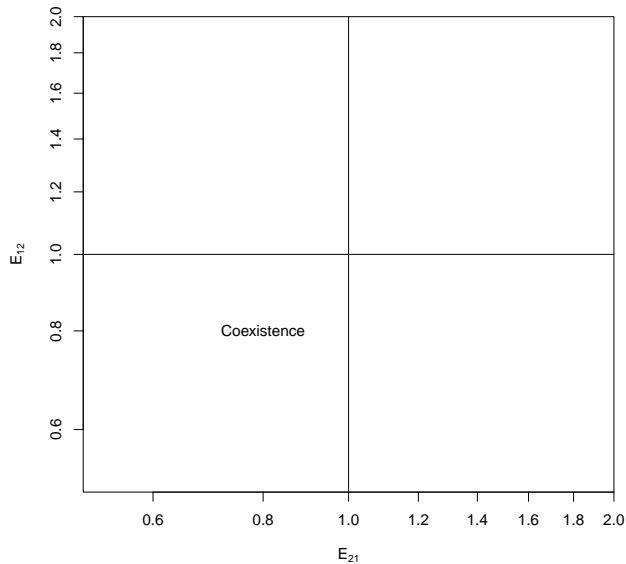
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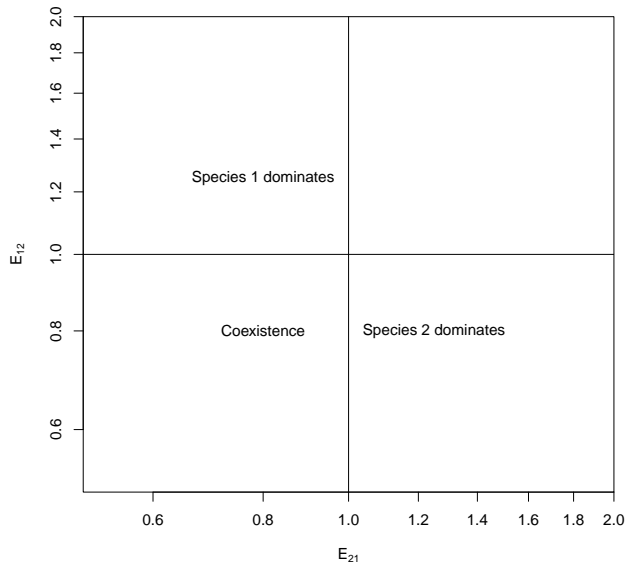
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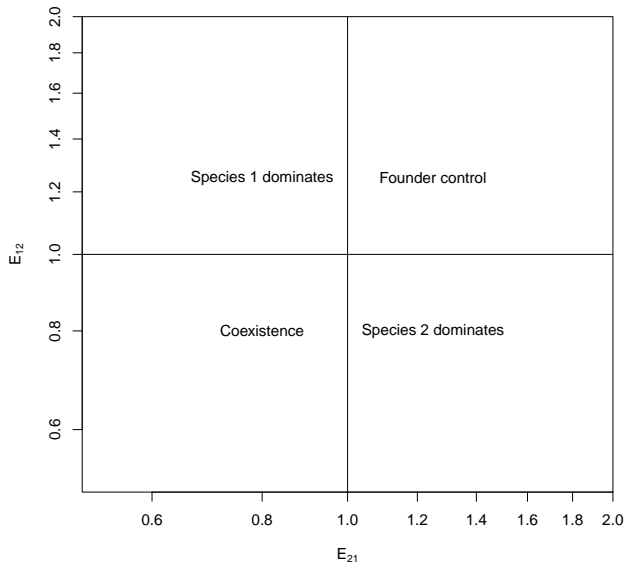
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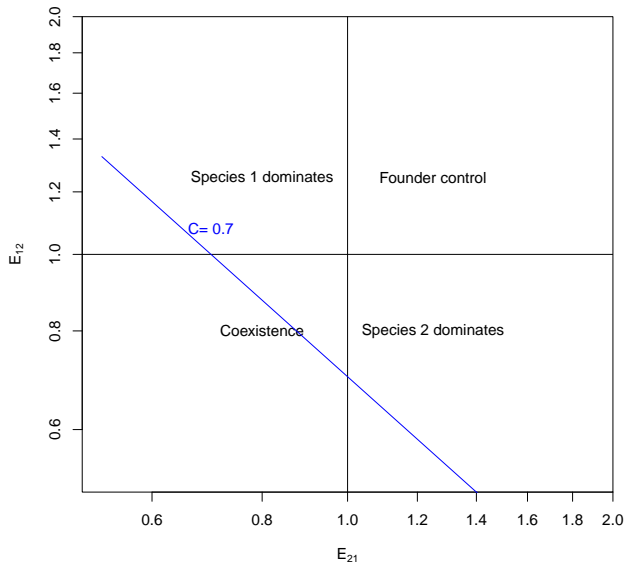
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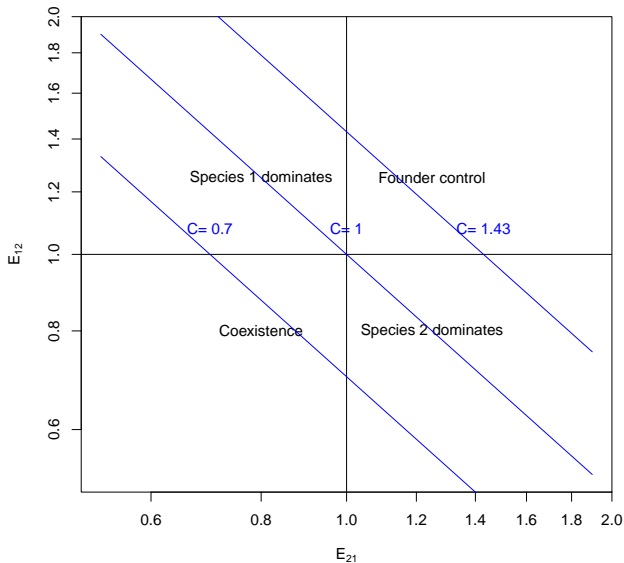
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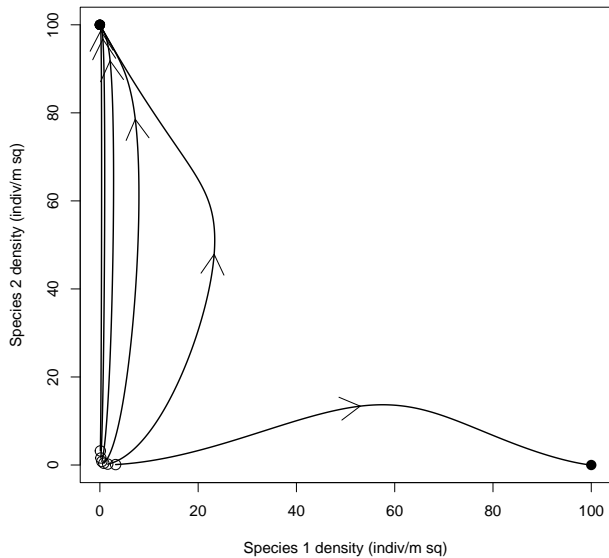
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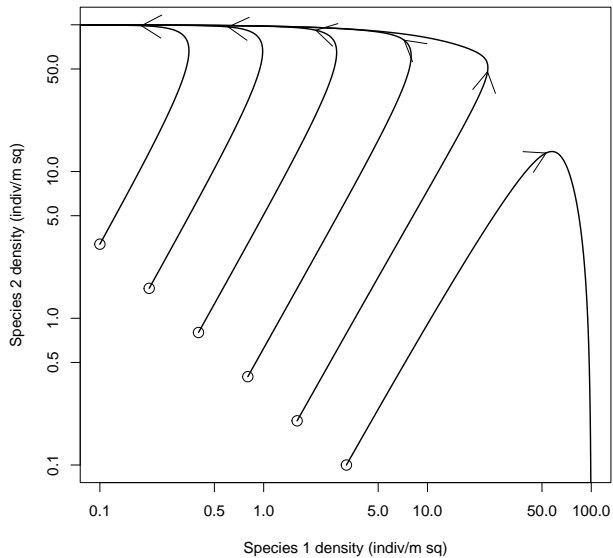
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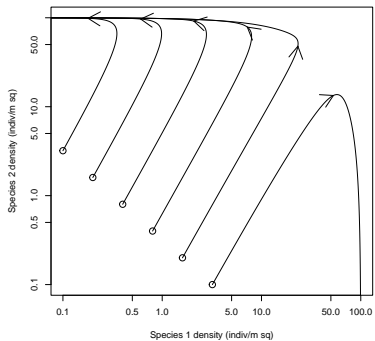
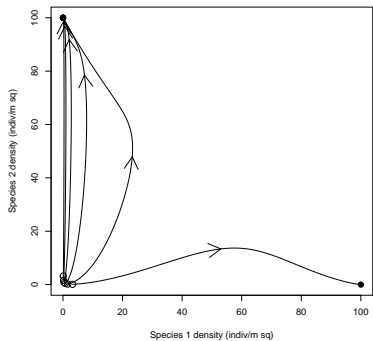
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- Unbalanced competition

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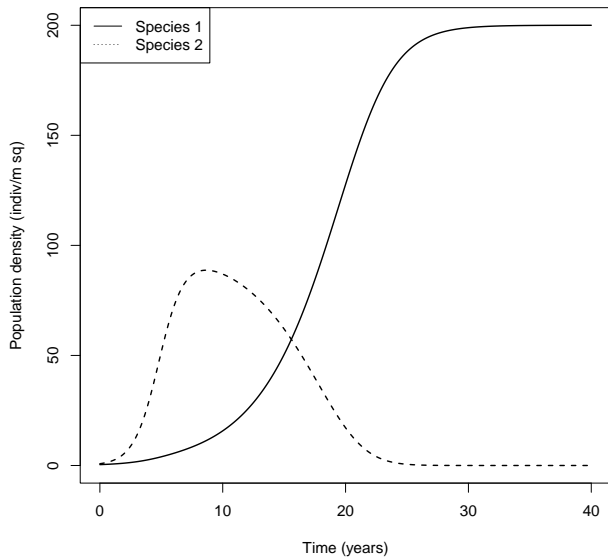
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