1 introduction

2 model

We used an individual-based model to explore the consequences of cue integration. In our model, each individual had a series of traits (denoted as b.*cue*) that represented how the individual responded to a specific climatic cue (day, daily temperature, environmental moisture, etc). Every day, each organism took the environmental cues, divided them by the corresponding traits, and emerged if the sum of those fractions was greater than one. That is,

$$E = \sum_{cues} \frac{cue}{trait} \qquad \text{emerge if } E \geq 1$$