

On Agent-Based Models of Sex, Plants and Sustainability

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Propositions

accompanying the PhD dissertation entitled

On Agent-Based Models of
Sex, Plants and Sustainability

by Katharina Schüller

1. While fitness develops much faster in asexual rather than sexual populations, sexually reproducing populations generally reach higher fitness levels and have the advantage of being more robust against environmental shocks. (Chapter 3)
2. Competition for space favors hermaphrodites. (Chapter 4)
3. The female oak wants the unlikely father for her kids. (Chapter 5)
4. To decrease worldwide pollution one needs to thoroughly understand agent-based modeling. (Chapter 6)
5. We are all part of the game of life, so we better learn some game theory.
6. Modeling is a way to escape from reality.
7. Optimizers are extremists.
8. Even if simulations finish in the middle of the night, it is better to continue dreaming.
9. I survived Corona once and today, I will manage a second time.
10. There can be only one captain to a ship. (Thomas John Barnardo)