

# Innovation and Complex Life

Searra Foote<sup>1</sup>

<sup>1</sup>Arizona State University

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## Abstract

The technosignature search needs to become more quantifiable. It is necessary to address time frames of relevant signals for technosignatures, study the acceleration of innovation, and the role of innovation in detecting complex life.

# Innovation and Complex Life

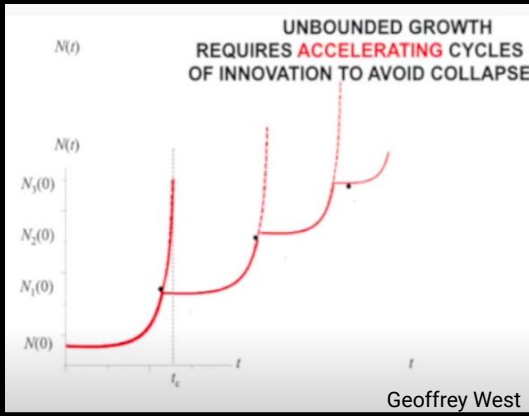
By: Searra Foote

EMERGENCE@ASU

In collaboration with: Sara Walker and Hyunju Kim

## Introduction

- Quantifying the search for technosignatures
- Addressing time frames of relevant signals for technosignatures
- Studying the acceleration of innovation
- Role of innovation in complex life



## Methods

- Gain interdisciplinary mindset by reading papers across disciplines to support own ideas
- Explore opposing ideas
- Discovering priors and parameters to build a model equation
- Focus on what innovation means

## Questions

- What is the timeframe of relevant signals?
- Are all technosignatures detectable?
- What are ways to detect technosignatures that are not observation based?
- Is innovation related to complex life?
- How can the search be quantifiable and what equations can be used?

## Conclusions

- Innovation cycles must be generated at a continually accelerating rate to sustain growth
- Have we passed the The Great Filter or not
- We need to consider Fermi's Paradox
- We are not the sole purpose of existence, nor a fluke
- Our search must continue, despite that clear signs of intelligent life are undiscovered in the universe