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Mathematical descriptions of indeterminate growth

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## Highlights

- Indeterminate growth is characterized by a suppressed self-inhibiting phase.
- Standard sigmoidal growth functions fail to represent this suppressed phase.
- Two models were derived from rate:state principles to describe non-sigmoidal growth.
- The models yield growth functions that have the ability to describe indeterminate growth accurately.
- The work progresses earlier research in *J Theoret Biol* on assessing growth in ectotherms.

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