



# Aristid Lindenmayer

Daniel Petti



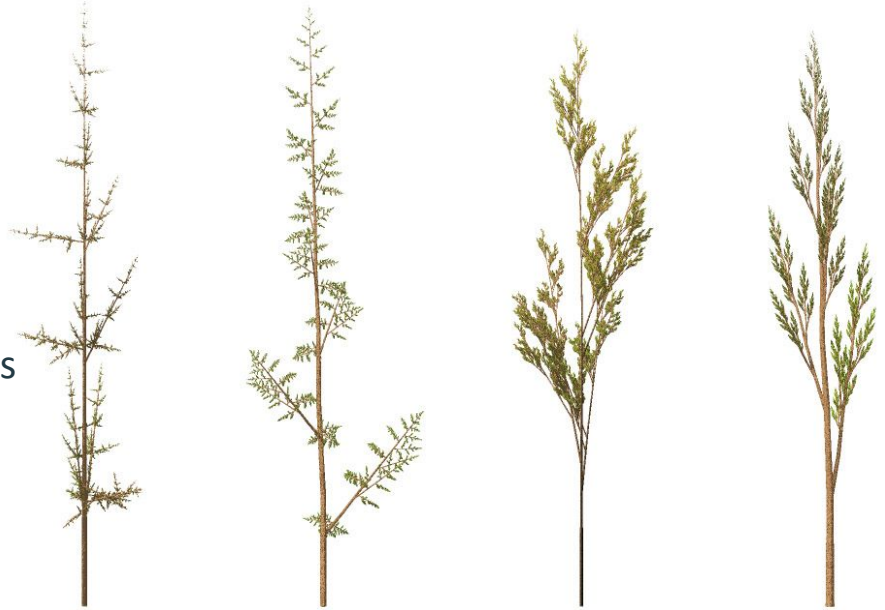
# Biography

- Lindenmayer was a Hungarian Biologist
- He taught at many universities
- Not much information



# L-System Origins

- Developed in 1968
- Original intention - model yeast cells
- Eventually 'grew' to include plants



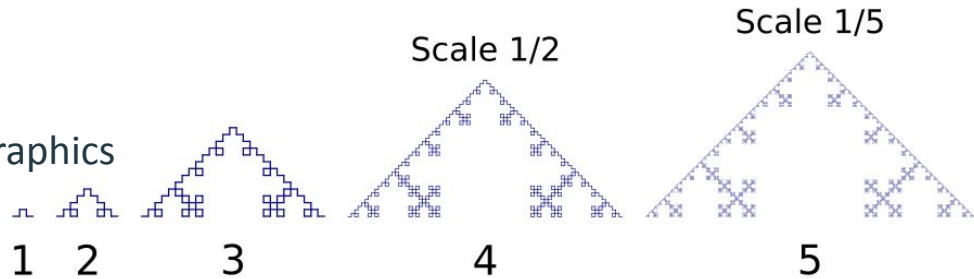
# The L-System

- A formal grammar comprised of three components:
  - An alphabet {A, B, C}
  - A ruleset { A → AA | B → CC | C → BC }
  - An Axiom { A, B, C }

# Applications

- Growth capacity grants flexibility

- Plants, Fractals, Computer Graphics



- Koch Curves, Sierpinski Triangles, and more