

# SIMIODE Text

Kurt Bryan

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- To illuminate, not to replace the mathematics. Application and modeling provide context and a hook for ODE's, and help students see the effectiveness of ODE's as a tool for describing the world.
- Incorporate important allied topics and applications to enrich the presentation, for example, dimensional analysis and scaling, parameter estimation, control theory, and model assessment using data.

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- There is (or will be) an allied website that contains data sets and code in Maple, Mathematica, Matlab, and Sage.