



MICHIGAN STATE  
UNIVERSITY

San Diego 2023 20  
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## Day 8: In-class Assignment: Modeling extreme sports

### Goals for Today's In-Class Assignment

By the end of this assignment, you should be able to:

- Use functions to define derivatives that model the evolution of a physical system.
- Use loops to update the state of an evolving system.
- Use `matplotlib` to plot the evolution of the system.
- Use NumPy when necessary to manipulate arrays or perform mathematical operations

