Integrated electric vehicle battery thermal management
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**Objective**
Investigate and optimize EV thermal management systems across a wide range of ambient and driving conditions.

**Approach**
- Establish a baseline thermal management cycle for comparison to alternatives
- Comprehensive dynamic modeling of the EV system
- Parametric investigations across different ambient and control setpoint temperatures

**Impact**
- Flexible transient baseline system identified, capable of wide range of parametric investigation
- Modeling platform for identification of optimal EV thermal management systems across wide range of operating conditions

**Selected Publications**