

BATEM Core Module Documentation

Overview

The `batem/core` module is the foundational component of the BATEM (Building And Thermal Energy Management) framework. It provides a comprehensive set of tools for building energy modeling, thermal analysis, control systems, and energy management strategies.

BATEM interactive terminal (`baterm`)

The `batem.baterm` package (`python -m batem.baterm` or the `baterm` console script) is a [cmd2](#) shell for three core entities:

- **Context** (`.context`) — site, weather period, distant masks (required by the others)
- **Building** (`.building`) — geometry, envelope, HVAC, **building simulate**

This documentation provides a comprehensive overview of the BATEM core module. For specific implementation details, refer to the individual module documentation and code comments.