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Title: Inverse modeling of the urban energy system using hourly electricity demand and weather measurements, Part 2: Gray-box model

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- Analysis of the energetic signature of a city
- Inverse gray-box dynamic model inferred from load and weather data
- Third-order lumped-parameter thermal network model of the urban system
- Offers insights into thermal properties of urban structures and microclimate
- UHI intensity is close to 2 °C while the corresponding cooling penalty is 12%

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