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Building Simulation 2017
August 7th, 2017

Making Your Own Python Components



Chris Mackey

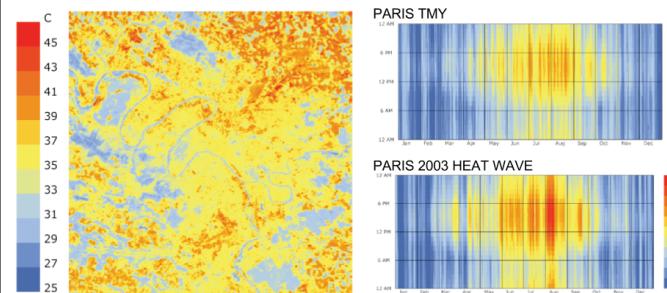


The Tool vs. The Toolkit

Chris Mackey + Mostapha Sadeghipour Roudsari



Design Modeling Symposium
Sept. 19 2017



EXPANDING CLIMATE SOURCES W/ DRAGONFLY



Parametric Environmental Design
Ladybug + Honeybee
@ladybug_tool

IBPSA-USA New York Regional Chapter

Thursday, August 21, 2014

Mostapha Roudsari @__Mostapha__
Chris Mackey @Chriswmackey
Chien Si Harriman @terabuild



Mostapha Sadeghipour Roudsari
Ladybug Tools & University of Pennsylvania

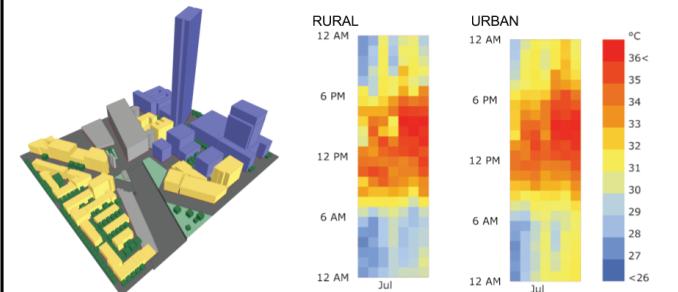
Background image is the official posters for the movie "Back to the Future".



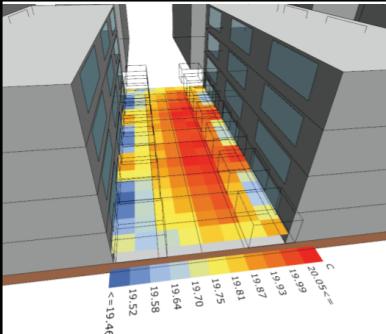
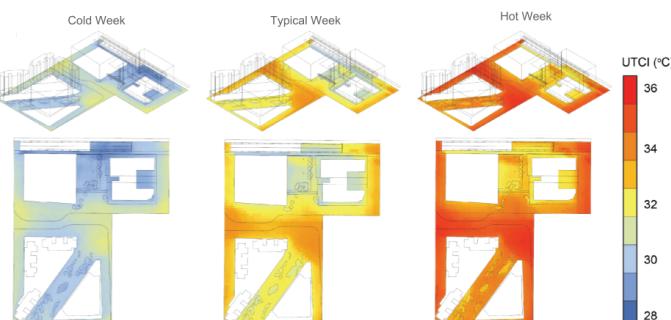
SUMMERTIME THERMAL COMFORT MODELING



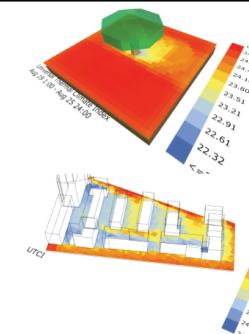
THERMAL COMFORT IN DESIGN



URBAN HEAT ISLAND MODELING W/ DRAGONFLY



OUTDOOR THERMAL COMFORT MAPPING



[v1]
Keeping up with the [v1]
Ladybug Tools [v1]

@ladybug_tools

Mostapha Sadeghipour Roudsari
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Philadelphia Dynamo User Group
Sept. 12 2017