



**CCA**

Common Component Architecture

---

# NASA CCA Demonstration

Daniel S. Katz, E. Robert Tisdale, Charles D. Norton

Jet Propulsion Laboratory  
California Institute of Technology

<http://pat.jpl.nasa.gov/>

# Overview

- This presentation, being shown in the NASA booth, is a PowerPoint loop of slides
- The work done was an evaluation of the CCA software for NASA Earth Science Technology Office's (ESTO's) Computation Technologies (CT) Project
- The basic evaluation was successful in FY02
- In FY03, we will use CCA to componentize a coupled atmosphere/ocean climate model

# Application

- Unstructured Adaptive Mesh Refinement for an Electromagnetic Simulation
- Uses PYRAMID AMR library
- Output:
  - Performance of the componentized application vs. the original application

# Results

