AIMS

APCC Integrated Modeling Solution

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• Software Optimization
  • Dynamically optimize your software
    • Run-time reduced by 60~70%
  • Open Source (currently in closed Beta)
  • Supports R, Javascript, Python

• Scientific Research Software
  • Easier and Faster
  • For everybody
Ideal R&D cycle in Scientific Research Software

1. Research
2. Development
3. Release

The cycle is continuous with arrows indicating the flow from Research to Development to Release, and back to Research.
Actual R&D cycle in Scientific Research Software

1. Research
2. Development
3. Software Optimization
4. Software Research
5. Hire Software Engineer
6. Release
Computational Graph
• AIMS Web
  • AIMS Project data sharing platform
  • Web application
AIMS 2.0

- User Interface
- Project-base
- Card System
AIMS 2.0

- Faster
- Computational Graph
- Parallel Workflow
AIMS 2.0

- Extensibility

Project Package (React, Javascript)
Project Sub-package (R script)
Project Sub-package (Javascript code)
Project Sub-package (Python Package)
AIMS 2.0 – System Requirement

• Cross-platform (Windows, Mac, Linux*)
  • Windows 7 or newer
  • 64-bit operating system is recommended
  • 200GB or more storage
• Internet connection is required

* Ask for Linux build at jlee@notesquare.co.kr
Hands-on

Download AIMS 2.0-beta from

http://aims.apcc21.org
• AIMS Web Application
AIMS Web

- AIMS project sharing
• Easy-to-use web interface
  • Search by author / region-of-interest / map
AIMS Web

- Works on all modern web browser
- Tightly integrated with AIMS 2.0
- Under development
- To be released on late 2018
AIMS

• AIMS 2.0
• AIMS Web

Any request or idea for AIMS package is welcome!
Thank you

NoteSquare Inc.

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