The JScience project

What it is

- General Science API in Java
- All knowledge (but databases) up to undergraduate level and more
- Free
- Opensource, GPL

History

- Many unconnected projects
- No accurate authoritative source
- Always restarting from scratch

- JSci in 1999-
- JADE in 2000-2004
- DigitalBiosphere in 2000-2003
- JScience from July 2004-

Who & Whom

Who should use it
- Researchers
- API Developers
- Corporate projects

Who develops it
- Computer enthusiasts
- Researchers

Supported areas

- Architecture
- Astronomy
- Bibliography
- Biology
- Chemistry
- Computing
- Earth
- Economics
- Geography
- History
- Law
- Linguistics
- Mathematics
- Medicine
- Measure (a general purpose measure scheme)
- Physics
- philosophy
- Politics
- Psychology
- Society

Philosophy

- Java 1.5
- Objects are first rank citizens
- XML support
- International and acclaimed standards

The website

- www.jscience.org
- jscience.dev.java.net
- jade.dav.java.net

- A mailing list

- Main distribution, 200 classes, 1MB zip
- Experimental distribution, 4400 classes, 25 MB zip

Distributions

- Core Mathematics
- Hard sciences
- Soft sciences
- Data files

Future

- Wider audience
- Better algorithms
- Some more packages
- More documentation and samples