CosmoGrid

National Astronomical Observatory   The University of Tokyo
University of Amsterdam   SARA

- Using 30 processors on Cray XT4 of National Astronomical Observatory of Japan
- 30 processors of Huygens(IBM Power6）cluster of the University of Amsterdam.
- Cosmological N-body calculation with 256^3 particles
- The size of the simulation box is 60Mpc (megaparsec), with comoving coordinates and periodic boundary
- The specialized calculation code was developed to reduce the required communication bandwidth between two computers and to allow for large communication latency.
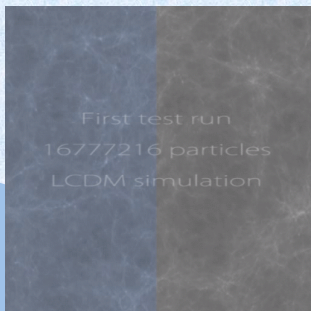

Cray XT4 at Tokyo   **Network paths**   **Huygens (Power6) at SARA**

Simulation Results (Test run)

• The test, blue part on Cray
• gray part on IBM.