



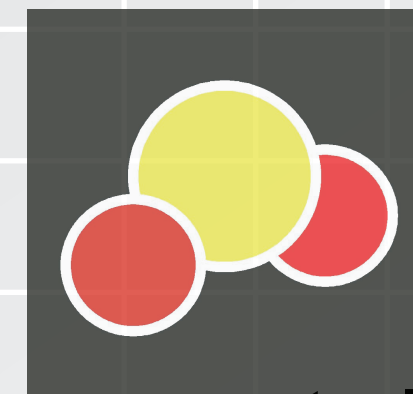
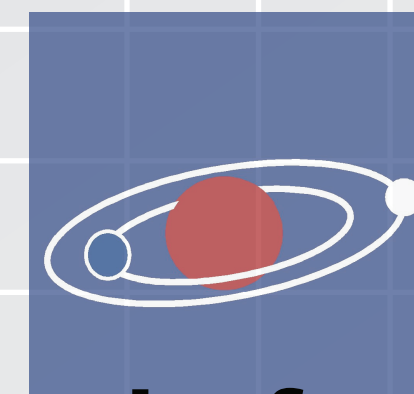
Center for Computational Sciences University of Tsukuba

<http://www.ccs.tsukuba.ac.jp>

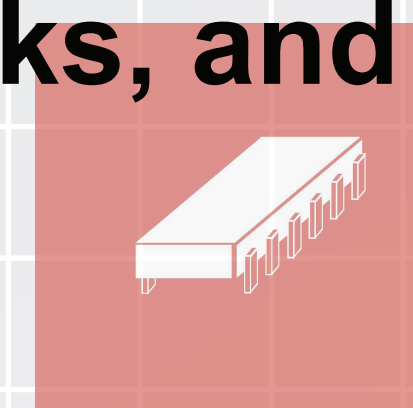


Mission

The mission of the Center of Computational Sciences is to promote scientific discovery by computational science through the application of advanced computing technologies, and to support researches of computational science in Japanese universities and institutes by operating leading-edge computing systems.



The Center aims to carry out research on critical issues in fundamental science, material science, life science and environmental science through performing large-scale simulations and large-scale data analyses. To realize this goal, the Center performs research and development of high-performance computing systems and networks, and advanced studies in computer and information science.



Chronology and major events

1992 Foundation of the Center for Computational Physics (CCP)

1996 Completion of CP-PACS, a 0.6TFLOPS MPP ranked No. 1 on the Top 500 in Nov. 1996

2002 Completion of HMCS (Heterogeneous Multi-Computer System), an 8.6TFLOPS coupled CP-PACS/GRAPE-6 system

CP-PACS

GRAPE-6 with host cluster

FIRST-Cluster

2004 Reorganization and expansion of CCP to the Center for Computational Sciences (CCS)

2006 Two new major computing facilities start operation.
PACS-CS a general-purpose 14.3TFLOPS MPP cluster for computational sciences
FIRST an HMCS-E for astrophysical simulations
General-purpose 3.5TFLOPS+gravity 35TFLOPS

2008 Completion of T2K-Tsukuba system, a 95.4TFLOPS cluster ranked No. 20 on the Top 500 in Jun. 2008

PACS-CS

T2K-Tsukuba