

Super-Computing in Astrophysics



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UCSC acquires powerful new astrophysics supercomputer system Applications from Astrophysics. Here we present a choice of impressive projects from astrophysics which have been carried out on GCS supercomputers. **Free Lectures - Centre for Astrophysics and Supercomputing - Swin** Physicist Joel Primack (left) and astrophysicist Piero Madau (right) said the new Hyades supercomputer will benefit researchers at UCSC as **CAS - Supercomputing - Centre for Astrophysics and Supercomputing** Astrophysics. Supercomputer simulations are fundamental to astrophysics and play the traditional scientific role of controlled experiments in a domain where **Supercomputer Specialist facilities Swinburne University** This is the main page for the latest Swinburne supercomputer, which incorporates gSTAR - the GPU Supercomputer for Theoretical Astrophysics Research. **Supercomputing in astrophysics - IOPscience** ADACS will be delivered jointly by Swinburne University of Technology, Curtin University, and Pawsey Supercomputing Centre. ADACS is funded under Public Outreach. The Centre is dedicated to inspiring a fascination in the Universe through research and education. A range of public outreach activities link the **Supercomputing in astrophysics - IOPscience** Coles P and Lucchin F 1996 Cosmology - The Origin and Evolution of Cosmic . Tomisaka K 1996 Numerical Astrophysics Using Supercomputers (National **Swinburne Centre for Astrophysics and Supercomputing** - The Centre for Astrophysics and Supercomputing (CAS) is a research centre located at the Swinburne University in Melbourne, Australia. It was established in **Colloquia - Centre for Astrophysics and Supercomputing** - It incorporates the GPU Supercomputer for Theoretical Astrophysics Research (gSTAR), and in total comprises about 2000 Intel CPU cores and 200 NVIDIA **Centre for Astrophysics and Supercomputing Industry testimonials** **Supercomputing in astrophysics - IOPscience** The Sloan Digital Sky Survey contains nearly 5 million telescopic images of 12 megabytes each a dataset of 55 terabytes. In order to analyze this massive **UCSC acquires powerful new**

astrophysics supercomputer system IP Address: 66.249.64.116. This content was downloaded on 16/02/2017 at 04:14. Please note that terms and conditions apply. Supercomputing in astrophysics. **Supercomputing in astrophysics - IOPscience** Name, Phone, Email, Role / Research Interest. Prof. Matthew Bailes, +61 , mbailes@, Pulsars. Prof. Chris Blake, +61 3 9214 8624 **Supercomputing techniques in Astrophysics - Instituto de Astrofisica** For more information on colloquia at the Centre for Astrophysics and Supercomputing please contact Dr. Nikole Nielsen (colloquium@) **ADACS Astronomy Data and Compute Services** UK National Cosmology Supercomputer, part of DiRAC - UK distributed HPC Facility. Sponsored by DBIS UK, STFC, SGI and Intel. **CAS - Supercomputing - Green II - Centre for Astrophysics and** The Hyades astrophysics computer system, seen from the front (left) and back (right), is the primary on-campus supercomputer used by **COSMOS Supercomputer** This is the main page for the latest Swinburne supercomputer which incorporates gSTAR - the GPU Supercomputer for Theoretical Astrophysics Research. **Centre for Astrophysics and Supercomputing** Since its inception in 1998 the Centre for Astrophysics and Supercomputing has run a supercomputing facility on behalf of Swinburne University of Technology. **Astrophysics - Gauss Centre for Supercomputing** Centre for Astrophysics and Supercomputing. Planet Formation Supermassive Black Holes Big Bang Cosmology Scientific Computing & Visualisation **Supercomputing @ Swinburne** Study. The Centre is the fastest growing astronomy research group in Australia. Striving to be a world-leading research entity, the Centre endeavours to attract **Capability Statement - Centre for Astrophysics and Supercomputing** and Supercomputing. Overview. The Centre for Astrophysics and Supercomputing (CAS) is dedicated to inspiring a fascination in the universe through research **Computational astrophysics - Wikipedia** Computational astrophysics refers to the methods and computing tools developed and used in Like other similar fields, computational astrophysics makes extensive use of supercomputers and computer clusters . Even on the scale of a **Centre for Astrophysics and Supercomputing - Wikipedia** 12/5/17, Dr Rebecca Allen, Centre for Astrophysics and Supercomputing, Small, Medium, Large: What Galaxy Sizes Reveal About Their Past, ATC101 **CAS - Outreach - Home - Centre for Astrophysics and Supercomputing** Testimonial from the Centre of Astrophysics and Supercomputing on working with Swinburne students through the professional placements **Astrotour - Centre for Astrophysics and Supercomputing - SUPERCOMPUTING TECHNIQUES IN ASTROPHYSICS.** International school and workshop Campus San Joaquin, U. Catolica, Santiago, Chile 19-23 April, **Supercomputing in astrophysics - IOPscience - Institute of Physics** Using innovative Virtual Reality technologies developed by the Centre for Astrophysics and Supercomputing, AstroTours are designed to educate and entertain **High Performance Computing MIT Kavli Institute for Astrophysics** Consequently, computer simulation is doubly important in astrophysics, and In this paper I review a number of supercomputer simulations that I am aware of in **CAS - Study - Centre for Astrophysics and Supercomputing - Swin** High performance computing (HPC) is a necessary component of modern astrophysics research. MKI has used 3 HPC clusters over the past decade. The first **4 The Demand for Supercomputing Getting Up to Speed: The CAS - Staff - Centre for Astrophysics and Supercomputing - Swin** Recently advances in the power of computers and the advent of new and more powerful techniques has allowed computational astrophysics to perform