

量天尺—如何测量宇宙的大小？

最近的恒星离我们多远？最近的星系呢？宇宙究竟有多大？我们怎么测量它们？

距离是理解宇宙结构的关键。但它很难测量，因为哪怕是距离最近的恒星，我们也无法触及。为此，科学家们必须想尽办法，利用各种宇宙现象来测量不同尺度上天体的距离。

我们邀请您和您的学生们参加澳洲国立大学Brad Tucker博士和袁方博士的远程科普讲座，他们将一起向大家介绍最前沿的宇宙距离测量方法。

时间（暂定）：2014年5月30号星期五 15:00 — 16:00 (北京时间)

该活动完全免费！

要了解我们活动的更多信息，请访问 <http://www.caaastro.org/citc/china> 或者直接联系我们：citc-china@caastro.org。

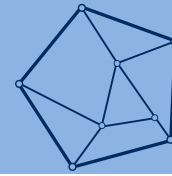


Brad Tucker 博士，在澳洲国立大学获得博士学位，现任澳洲国立大学和加州大学伯克利分校的研究员。目前他正投身于一项暗能量本质的研究，同时还领导着另外一个利用开普勒太空望远镜来研究超新星的项目。

Tucker 博士热衷于科普活动。他曾经同澳大利亚铸币厂一起设计了一套天文纪念币；担任过科幻电影和天文主题艺术活动的顾问；参加过国家地理频道节目的制作。他曾经在 “I’m a Scientist, Get Me Out of Here” 竞赛中获胜，目前正在写他的第一本科普书。

袁方在中国长大，在美国密歇根大学获得博士学位并开始天体物理学研究。她对宇宙中的爆发现象怀有浓厚的兴趣，现任澳洲国立大学和 CAASTRO 的研究员。





Mapping the Universe - Cosmic Distances

How close is the nearest star to us? How about the nearest galaxy outside the Milky Way? How big is the Universe? And how do we measure these?

Distance measurement is important for understanding the structure of the universe. Yet it is difficult, as we can't reach even the closest star. In fact, scientists have to come up with innovative ways to use a range of astronomical objects and cosmological phenomena.

You and your students are invited to join Dr Brad Tucker and CAASTRO researcher Fang Yuan, for a discussion about state-of-the-art measurements of cosmic distances.

Session time (tentatively): **Fri 30th May 2014 3:00pm - 4pm (Beijing Time).**

There is no charge for schools to participate.

You can learn more about our program at <http://www.caaastro.org/citc/china> or by emailing citc-china@caaastro.org.



Brad Tucker is an Astrophysicist/Cosmologist. He is currently a Research Fellow at the Australian National University and University of California, Berkeley. He obtained his PhD at Mt. Stromlo Observatory at the Australian National University, working with Nobel Laureate Brian Schmidt. He is currently working on projects trying to discover the true nature of Dark Energy, the mysterious substance causing the accelerating expansion of the Universe. He is also one of the leads on a project using the Kepler Space Telescope to understand why and how stars blow.

Brad is also an enthusiastic science promoter. Among other things, Brad has developed a series of Astronomy coins in conjunction with the Royal Australian Mint, consulted on science fiction movies, advised on Astronomy-themed art projects, and has been featured on the National Geographic Channel. He has won the "I'm a Scientist, Get Me Out of Here' competition and is currently in the process of writing his first popular book.

Fang Yuan grew up in China and started her astrophysics career in the US while perusing a physics PhD at University of Michigan. A wide range of cosmic explosion phenomena fascinates her. She is currently a Research Fellow at the Australian National University and CAASTRO.

