

Overview of the Center for Adaptive Optics

High Tech Maui Industry Education Exchange

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Center for Adaptive Optics



- NSF Science and Technology Center.
1 of 5 funded in 1999, at \$4million/yr
for 10 years (2009)
- Headquarters at UC Santa Cruz
– Director: Claire Max
- 11 university nodes
– Over 40 partner institutions
- Integrates research and education into
four major themes
- Funded to make new discoveries in
research and education - innovation in
an interdisciplinary environment
- NSF Technical Coordinator:
Morris Aizenman

ASTRONOMY



EDUCATION

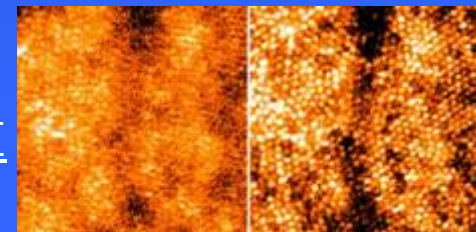


ADVANCED TECHNOLOGY



Without AO

With AO



VISION SCIENCE

Images of single cells in the living human retina

CfAO Themes



- **Adaptive Optics for Extremely Large Telescopes**
 - Jason Melbourne and Mark Ammons
- **Extreme Adaptive Optics**
 - Marshall Perrin
- **Compact Instrumentation for Vision Sciences**
 - Lana Nagy
- **Laboratory for Adaptive Optics**
 - Daren Dillon and Scott Severson
- **Education and Human Resources**
 - Lisa Hunter