



Michelson Summer Workshop Wrap Up

Dr. Dawn Gelino

28 July 2006





[Comment Time]

A Basic Definition

Wikipedia defines **interferometry** as:

The applied science of combining two or more input points of a particular data type, such as optical measurements, to form a greater picture based on the combination of the two sources.

In astronomy, this is used to combine light from two or more telescopes to obtain measurements with higher resolution than could be obtained with either telescope individually.

What Have We Covered?

- History & Basics
 - Limits imposed by reality
 - > A lot of good science can be done with interferometers!
 - Stellar Behavior & Structure
 - Young and Old Stars
 - Binary Systems
 - Extra-Solar Planets
 - * AGN
- Advanced Observational Modes
 - Problems and solutions
- > How to actually observe with an interferometer
 - > You have the opportunity to play with some real data!
- Future Missions and Prospects

Mt. Wilson Tour



MSW06/D. Gelino

The Banquet



In Short...

- Interferometry can be challenging (think in Fourier Space), but the science obtained can be very rewarding.
- This is the first MSW dealing with interferometry when you can actually apply for observing time, and obtain interferometric data...therefore...

...we hope that this workshop has motivated you to go out and apply for time and/or go home and play with some public data!

Your MSW LOC and *on-site help*:

- Dawn Gelino
- Helga Mycroft
- Kathy Golden
- Shellie Hanna
- M.E. McElveney
- Steve Groom
- Renee Newman
- Gerard van Belle

Your MSW SOC:

- Tom Armstrong (NRL)
- Michelle Creech-Eakman (NM Tech)
- Christian Hummel (ESO)
- Harold McAlister (GSU)
- Rafael Millan-Gabet (MSC, Caltech)
- Peter Tuthill (U of Sydney)
- Stephen Unwin (JPL)

WWW Michelson Science Center

...And Don't Forget Our Speakers!!

 Many thanks to our speakers for their informative and entertaining workshop presentations!

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		and terr	estrial Pla	nets				
		Fi	nal Agenda					
Sunday, July 23								
6:00 - 8:00 pm - Opening B	Reception and	d Workshop Reg	istration at Wor	kshop Hotel: Fou	er Points by Sherate	on in Monrovia		
Monday, July 24								
Introduction to Optics	al and Near	IR Stellar Int	erferometry					
2002 01 17 000205	Introduction to Optical and Near IR Stellar Interferometry							
7:45am - Registration Desk	7:45am - Registration Desk Opens at Beckman Institute Auditorium							
8:45 am - Opening Commen	ts - Dawn Ge	lino (Michelson Sc	ience Center)					
9:00 am - Optical Interferom	etry Motivati	on and History - P	eter Lawson (JPI	L)				
10:00 am - Break								
10:30 am - The Theory of O	intical Interfer	metry - Chris Ha	niff (Carvendish L	aboratory)				
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12:00 pm - Lunch (provided	d M,W,F)							
1:00 pm - Atmospheric Limit	ts to Interferor	netry - Mark Swa	in (MPI /JPL)					
2:00 pm - Interpreting Visibil	lity Amplitude	s - Christian Humn	nel (ESO)					
2:45 pm - Break								
3:15 pm - Measuring Fundar	States I States	Benesties Liens D	Children Children	Hannal (ESO)				
5.15 pm - Measuring Fundau	neutra otedar i	rropernes using in	manico - CritiStali	n riumer (E3O)		TOP		

All updated presentations will be on-line next week: http://msc.caltech.edu/workshop/2006/agenda.html

Travel Reimbursement

> Travel Reports are to be mailed in *AFTER* your return home:

ATTN: 'Your Travel Contact' Caltech – IPAC, MS 100-22 770 S. Wilson Ave. Pasadena, CA 91125

> Travel Reports *must* include:

- Completed reimbursement form (included in guidelines)
- Original receipts (no meal receipts required)
- Working FAX number

Your Name:	
Date of departure:	
Time of departure:	
Date of return:	
Time of return:	
Lodging Cost:	
Workshop Registration Fee:	

The Class of 2006!



Hope to see you at next year's workshop!

28 July 2006

www.Michelson Science Center

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Please...

- > Make sure you have all of your belongings
- > Pick up your trash!

Thanks!! ③