

Tutorials

Tuesday March 8, 2005

- 8:00–8:50 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:50–9:00 *Welcome and Opening Remarks*
- 9:00–10:00 **Harold Yorke** (California Institute of Technology)
Introductory Remarks to Numerical Solutions of Partial Differential Equations in Astrophysics
- 10:00–10:30 *Break*
- 10:30–11:30 **Harold Yorke** (California Institute of Technology)
Introductory Remarks to Numerical Solutions of Partial Differential Equations in Astrophysics
- 11:30–1:30 *Lunch (on your own)*
- 1:30–2:30 *Panel Discussion*
- 2:30–3:00 *Break*
- 3:00–4:00 **Joseph Monaghan** (Monash University, Australia)
Smoothed-Particle Hydrodynamics (Part I)
- 4:00–4:30 *Break*
- 4:30–5:30 **Joseph Monaghan** (Monash University, Australia)
Smoothed-Particle Hydrodynamics (Part II)
- 5:30–7:00 *Wine/Cheese Reception (Hosted by IPAM)*

Wednesday March 9, 2005

- 8:30–9:00 *Continental Breakfast*
- 9:00–10:00 **John Bally** (University of Colorado, Boulder)
Star Formation (Part I)
- 10:00–10:30 *Break*
- 10:30–11:30 **John Bally** (University of Colorado, Boulder)
Star Formation (Part II)
- 11:30–1:30 *Lunch (on your own)*
- 1:30–2:30 **Chi-Wang Shu** (Brown University)
Introduction to Finite Difference, Discontinuous Galerkin, Finite Element and Spectral Methods for PDEs in Astrophysics (Part I)
- 2:30–3:00 *Break*

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3:00–4:00 **Chi-Wang Shu** (Brown University)
Introduction to Finite Difference, Discontinuous Galerkin, Finite Element and Spectral Methods for PDEs in Astrophysics (Part II)

Thursday March 10, 2005

8:30–9:00 *Continental Breakfast*

9:00–10:00 **Phillip Colella** (Lawrence Berkeley National Laboratory)
Adaptive Mesh Refinement Algorithms and Software Short Course

10:00–10:30 *Break*

10:30–11:30 **Phillip Colella** (Lawrence Berkeley National Laboratory)
Adaptive Mesh Refinement Algorithms and Software Short Course

11:30–1:30 *Lunch (on your own)*

1:30–2:30 **Michael Norman** (University of California at San Diego)
Structure Formation (Part I)

2:30–3:00 *Break*

3:00–4:00 **Michael Norman** (University of California at San Diego)
Structure Formation (Part II)

4:00–4:15 *Break*

4:15–5:15 **Roger Chevalier** (University of Virginia)
Stellar Endpoints (Part I)

Friday March 11, 2005

8:30–9:00 *Continental Breakfast*

9:00–10:00 **Neal Turner** (Jet Propulsion Laboratory)
Processes in Galactic Nuclei (Part I)

10:00–10:30 *Break*

10:30–11:30 **Neal Turner** (Jet Propulsion Laboratory)
Processes in Galactic Nuclei (Part II)

11:30–1:30 *Lunch (on your own)*

1:30–2:30 **Roger Chevalier** (University of Virginia)
Stellar Endpoints (Part II)

2:30–3:00 *Break*

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- 3:00–4:00 **David Meier** (California Institute of Technology)
Relativistic Astrophysics (Part I)
- 4:00–4:15 *Break*
- 4:15–5:15 **David Meier** (California Institute of Technology)
Relativistic Astrophysics (Part II)
- 5:15–5:30 *Conclusion*

