

**Seminar & Events Bulletin:**  
**07-01-2011 to 12-31-2011**

Wednesday, September 07, 2011

4:30pm-5:00pm **PDE Reading Group** -- () *Organizational Meeting* -- 3096 East Hall

Tuesday, September 13, 2011

5:20pm-6:10pm **PDE Reading Group** -- Jeff Calder (U of M) *Laplace's and Poisson's equations* -- 3096 East Hall

Friday, September 16, 2011

10:00am-11:00am **PDE Reading Group** -- Jen Beichman (U of M) *The Wave Equation* -- 3096 East Hall

Tuesday, September 20, 2011

5:20pm-6:10pm **PDE Reading Group** -- Joe Roberts (U of M) *The Heat equation* -- 3096 East Hall

Friday, September 23, 2011

10:00am-11:00am **PDE Reading Group** -- Rafe Kinsey (U of M) *Method of characteristics* -- 3096 East Hall

Tuesday, September 27, 2011

5:20pm-6:10pm **PDE Reading Group** -- Matthew Masarik (U of M) *Intro to Viscosity Solutions (Chapter 10 Evans)* -- 3096 East Hall

Friday, September 30, 2011

10:00am-11:00am **PDE Reading Group** -- Dan DeWoskin (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Sections 1 and 2: Examples and the notion of viscosity solutions* -- 3096 East Hall

Tuesday, October 04, 2011

12:00pm-1:00pm **PDE Reading Group** -- Purvi Gupta (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Section 3: The maximum principle for semi-continuous functions and comparison for the Dirichlet problem (Part I)* -- 4096 East Hall

Friday, October 07, 2011

10:00am-11:00am **PDE Reading Group** -- Purvi Gupta (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Section 3: The maximum principle for semi-continuous functions and comparison for the Dirichlet problem (Part II)* -- 3096 East Hall

Tuesday, October 11, 2011

12:00pm-1:00pm **PDE Reading Group** -- Jeff Calder (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Section 4: Perron's method and Existence* -- 4096 East Hall

Friday, October 21, 2011

10:00am-11:00am **PDE Reading Group** -- Joe Roberts (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Sections 5 and 6: Comparison and limits of viscosity solutions* -- 3096 East Hall

**Seminar & Events Bulletin:**  
**07-01-2011 to 12-31-2011**

Tuesday, October 25, 2011

12:00pm-1:00pm **PDE Reading Group** -- Jeff Calder (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Section 7: General and generalized boundary conditions* -- 4096 East Hall

Friday, October 28, 2011

10:00am-11:00am **PDE Reading Group** -- Jen Beichman (U of M) *Viscosity Solutions (Crandall, Ishii, Lions) Sections 8 and 9: Parabolic problems and singular equations* -- 3096 East Hall

Tuesday, November 01, 2011

12:00pm-1:00pm **PDE Reading Group** -- Matthew Masarik (U of M) *Phase transitions and generalized motion by mean curvature* -- 4096 East Hall

Friday, November 11, 2011

10:30am-11:00am **PDE Reading Group** -- () *Organizational Meeting* -- 3096 East Hall

Tuesday, November 29, 2011

12:00pm-1:00pm **PDE Reading Group** -- Jen Beichman (U-M) *Microlocal Analysis Prequel: Energy methods and commutators* -- 4096 East Hall

Friday, December 02, 2011

1:00pm-2:00pm **PDE Reading Group** -- Joe Roberts (U-M) *The Pseudodifferential calculus: Part I* -- 2866 East Hall

Tuesday, December 06, 2011

12:00pm-1:00pm **PDE Reading Group** -- Jeff Calder (U-M) *The Pseudodifferential calculus: Part II* -- 4096 East Hall

Friday, December 09, 2011

1:00pm-2:00pm **PDE Reading Group** -- Jeff Calder (U-M) *Pseudodifferential Operators: Part III* -- 2866 East Hall

Tuesday, December 13, 2011

12:00pm-1:00pm **PDE Reading Group** -- Rafe Kinsey (U-M) *Wavefront Set and Hamiltonian Flows* -- 4096 East Hall

**Seminar & Events Bulletin:**  
07-01-2011 to 12-31-2011

**Abstracts**

**PDE Reading Group**

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**3096 East Hall**

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*Organizational Meeting*

**PDE Reading Group**

**Tuesday, September 13, 2011, 5:20pm-6:10pm**

**3096 East Hall**

**Jeff Calder (U of M)**

*Laplace's and Poisson's equations*

**PDE Reading Group**

**Friday, September 16, 2011, 10:00am-11:00am**

**3096 East Hall**

**Jen Beichman (U of M)**

*The Wave Equation*

**PDE Reading Group**

**Tuesday, September 20, 2011, 5:20pm-6:10pm**

**3096 East Hall**

**Joe Roberts (U of M)**

*The Heat equation*

**PDE Reading Group**

**Friday, September 23, 2011, 10:00am-11:00am**

**3096 East Hall**

**Rafe Kinsey (U of M)**

*Method of characteristics*

**Seminar & Events Bulletin:**  
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**PDE Reading Group**

**Tuesday, September 27, 2011, 5:20pm-6:10pm**

**3096 East Hall**

**Matthew Masarik (U of M)**

*Intro to Viscosity Solutions (Chapter 10 Evans)*

**PDE Reading Group**

**Friday, September 30, 2011, 10:00am-11:00am**

**3096 East Hall**

**Dan DeWoskin (U of M)**

*Viscosity Solutions (Crandall, Ishii, Lions) Sections 1 and 2: Examples and the notion of viscosity solutions*

**PDE Reading Group**

**Tuesday, October 04, 2011, 12:00pm-1:00pm**

**4096 East Hall**

**Purvi Gupta (U of M)**

*y Solutions (Crandall, Ishii, Lions) Section 3: The maximum principle for semi-continuous functions and comparison for the Dirichlet problem*

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*Viscosity Solutions (Crandall, Ishii, Lions) Section 4: Perron's method and Existence*

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*Viscosity Solutions (Crandall, Ishii, Lions) Sections 5 and 6: Comparison and limits of viscosity solutions*

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*Viscosity Solutions (Crandall, Ishii, Lions) Section 7: General and generalized boundary conditions*

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**Friday, October 28, 2011, 10:00am-11:00am**

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*Viscosity Solutions (Crandall, Ishii, Lions) Sections 8 and 9: Parabolic problems and singular equations*

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**Matthew Masarik (U of M)**

*Phase transitions and generalized motion by mean curvature*

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*Organizational Meeting*

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**PDE Reading Group**

**Tuesday, November 29, 2011, 12:00pm-1:00pm**

**4096 East Hall**

**Jen Beichman (U-M)**

*Microlocal Analysis Prequel: Energy methods and commutators*

**PDE Reading Group**

**Friday, December 02, 2011, 1:00pm-2:00pm**

**2866 East Hall**

**Joe Roberts (U-M)**

*The Pseudodifferential calculus: Part I*

**PDE Reading Group**

**Tuesday, December 06, 2011, 12:00pm-1:00pm**

**4096 East Hall**

**Jeff Calder (U-M)**

*The Pseudodifferential calculus: Part II*

**PDE Reading Group**

**Friday, December 09, 2011, 1:00pm-2:00pm**

**2866 East Hall**

**Jeff Calder (U-M)**

*Pseudodifferential Operators: Part III*

**PDE Reading Group**

**Tuesday, December 13, 2011, 12:00pm-1:00pm**

**4096 East Hall**

**Rafe Kinsey (U-M)**

*Wavefront Set and Hamiltonian Flows*

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