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Mathematics and Statistics

**Seminars & Colloquium**

**April 9-13**

**Colloquium:**

**Dr. Michael Chertikov**

***Theoretical Division of Las Alamos Labs, NM***

“Optimization and Control Theory for Smart Grids**”**

Thursday, April 12, 2012 at 3:30 p.m. in CH 113

Refreshments will be served in Math 238 at 3:00 p.m.

**Monday –April 9**

No Classes Today

**Tuesday – April 10**

**Biomathematics Seminar**

No Seminar This Week

**Wednesday – April 11**

**Applied Math Seminar**

Location: MATH 016

Time: 4:00-5:30pm

Speaker: Luan Hoang

Topic: An interface boundary value problem for incompressible fluids in two-layer domains (II),

**Control Theory Seminar**

No Seminar This Week

**Thursday – April 12**

**Noyce Scholars & Math Education Seminar**

Location: MATH 115

Time: 11:00-12:00pm

Speaker: Braden Courtney & Rachel Hirsch

Topic: Development of a seminar as a mentoring strategy

**Friday – April 13**

**Algebra Seminar**

Location: MATH 111

Time: 4:00-5:00pm

Speaker: Brian Miller

Topic: "On the Integration of Algebraic Functions: Computing the Logarithmic Part I"

Abstract:

We provide an algorithm to compute the logarithmic part of an integral of an algebraic function. The algorithm finds closed-form solutions that have been difficult to compute by other means.

We are able to fully justify the algorithm using techniques of Gröbner bases, differential algebra, and algebraic geometry.