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Mathematics and Statistics

**Seminars & Colloquium**

**April 16-20**

**Colloquium:**

**Dr. Valentin Deaconu**

***University of Nevada at Reno***

“Graph C\*-Algebras”

Thursday, April 19, 2012 at 3:30 p.m. in CH 113

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

**Monday –April 16**

**Logic-Topology Seminar**

Location: MATH 013

Time: 3:00-4:00pm

Speaker: Robert Byerly

Topic: Recursive Ultraproducts – III tolerance

**Geometry Seminar**

No Seminar This Week

**GK-12 Seminar**

Location: MATH 017

Time: 4:00-5:00pm

Speaker: Discussion

Topic: What are the benefits of a GK-12 program?

**Statistics Seminar**

No Seminar This Week

**Analysis Seminar**

Location: MATH 016

Time: 4:00-5:00pm

Speaker: Alexander Solynin

Topic: Green’s function of a planar region: New estimates and open questions (Part 2)

**Tuesday – April 17**

**Biomathematics Seminar**

Location: MATH 012

Time: 3:30-4:30pm

Speaker: Shannon Hallman

Topic: Persistence and Extinction in Stage-Structured Population Models of the Painted Turtle

**Wednesday – April 18**

**Applied Math Seminar**

Location: MATH 016

Time: 4:00-5:30pm

Speaker: Victoria Howle

Topic: The Effects of Soft Errors on Krylov Methods Including a Fault Tolerant Conjugate Gradient Algorithm

**Control Theory Seminar**

Location: MATH 111

Time: 4:00-5:00pm

Speaker: Jie Ma

Topic: Winkler Stuff

**Thursday – April 19**

**Noyce Scholars & Math Education Seminar**

Location: MATH 115

Time: 11:00-12:00pm

Speaker: Braden Courtney and Rachel Hirsch

Topic: A seminar as a mentoring strategy

**Friday – April 20**

**Algebra Seminar**

Location: MATH 111

Time: 4:00-5:00pm

Speaker: Brian Miller

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

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