

| CALENDAR | | |
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| Wednesday, October 6 | Department Meeting Time: 3:30 p.m. Place: Jeffery 234 | Principal Wolfe will visit during the departmental meeting time. Time permitting, the normal department meeting will start immediately following Principal Wolfe's visit. |
| Friday, October 8 | Number Theory Seminar Time: 11:30 a.m. – 12:20 p.m. Place: Jeffery 422 | Speaker: Andrew Droll, Queen's University Title: Li's criterion and generalizations Abstract attached |
| Friday, October 8 | Department Colloquium Time: 2:30 p.m. Place: Jeffery 234 | Speaker: Noriko Yui, Queen's University Title: The modularity (automorphy) of Calabi-Yau varieties over the rationals Abstract Attached |
| Monday, October 11 | Thanksgiving | University offices are closed. |

Items for the Info Sheet should reach Anne (burnsa@mast.queensu.ca) by noon on Monday. The Info Sheet is published every Tuesday.

Friday, October 8, 11:30 a.m. Jeffery 422**Number Theory Seminar**

Speaker: Andrew Droll

Title: Li's criterion and generalizations

Abstract: "Li's criterion shows that the truth of the Riemann hypothesis is equivalent to the non-negativity of a certain sequence of real numbers. We will give a description of the motivation for the construction of Li's criterion, and look at some generalizations to much wider contexts."

Friday, October 8, 2:30 p.m. Jeffery 234**Department Colloquium**

Speaker: Noriko Yui

Title: The modularity (automorphy) of Calabi-Yau varieties over the rationals

Abstract: According to the Langlands Philosophy, every algebraic variety defined over the rationals or a number field should be modular (automorphic).

In this talk, I will concentrate on a special class of algebraic varieties, called Calabi-Yau varieties (of dimension at most three), defined over the rationals, and report on the current status of their modularity (automorphy).