

Workshop in Celebration of Mark Green's 60th Birthday: Hodge Theory and Algebraic Geometry

Friday February 22, 2008

- 8:00–9:00 *Continental Breakfast*
- 9:00–12:00 *Welcome and Opening Remarks*
- 9:00–10:00 **Phillip Griffiths** (Institute for Advanced Study)
NÉRON MODELS
- 10:00–10:15 *Break*
- 10:15–11:15 **Claire Voisin** (Université de Paris VII (Denis Diderot) et Université de Paris VI (Pierre et Marie Curie))
Potential density of rational points on the variety of lines of a cubic fourfold
- 11:15–11:30 *Break*
- 11:30–12:30 **Chris Peters** (Université de Grenoble I (Joseph Fourier))
Lowest weights in cohomology: mixed Hodge modules at work
- 12:30–1:30 *Lunch (on your own)*
- 1:30–2:30 **Madhav Nori** (University of Chicago)
Galois Groups and Motivic Galois Groups
- 2:30–2:45 *Break*
- 2:45–3:45 **James Carlson** (Clay Mathematics Institute)
Moduli of Cubic Threefolds as a Quotient of the Unit Ball
- 3:45–4:00 *Break*
- 4:00–5:00 **Ron Donagi** (University of Pennsylvania)
Hitchin Systems, Mirror Symmetry, and the Geometric Langlands Conjecture
- 5:30–7:00 *Dinner to Honor Mark Green at IPAM*

Saturday February 23, 2008

- 8:00–9:00 *Continental Breakfast*
- 9:00–10:00 **david eisenbud** (University of California, Berkeley (UC Berkeley))
Free Resolutions and the Cohomology of Vector Bundles
- 10:00–10:15 *Break*

(Saturday schedule continued on next page)



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- 10:15–11:15 **Robert Lazarsfeld** (University of Michigan)
Convex bodies associated to linear series
- 11:30–1:00 *Lunch (on your own)*
- 1:00–2:00 **Stefan Muller-Stach** (Johannes Gutenberg-Universität Mainz)
Proportionality Inequalities
- 2:00–2:15 *Break*
- 2:15–3:15 **Herb Clemens** (Ohio State University)
Enlarging the intermediate Jacobian
- 3:15–3:30 *Break*
- 3:30–4:30 **Stan Osher** (University of California, Los Angeles (UCLA))
Mark Green's Influence on Applied Math, a personal view
- 4:30–12:00 *Closing Remarks*

