Mathematics Department Colloquium

Organizer(s): Kenneth Ribet

Thursday, 4:10–5:00pm, 60 Evans

Feb. 19   **Steve Smale**, Toyota Technological Institute at Chicago and UC Berkeley
Hodge Theory

Hodge theory is a beautiful synthesis of analysis, geometry and topology. However, spaces of images, important for understanding vision, do not possess the structures for this theory. These considerations motivate a development of Hodge theory on metric spaces with a probability measure (joint work with Nat Smale).