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Integrability properties of second derivatives of solutions of the simplest nonconvex fully nonlinear elliptic equations.

In this talk, we discuss integrability properties of the second derivatives of viscosity solutions of the simplest constant coefficient Isaacs equation. Isaacs equations come from the theory of stochastic differential games, and are the prototypical example of a class of fully nonlinear elliptic equations which is neither convex nor concave in the second derivative variable. (Received February 12, 2010)