

HAMILTON-JACOBI EQUATION AND LEAST WORST STRATEGY

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ABSTRACT. The talk concerns new results on the metric character of the Hamilton-Jacobi equation with obstacle (HJO). We will introduce an explicit formula of game theory type for an intrinsic distance showing how the Hamilton-Jacobi equation sorts out some kind of least worst strategy to handle the obstacle. Some applications in granular matter and the formation of lacs and rivers will be presented.