

A class of Hamilton-Jacobi equations on Banach-Finsler manifolds

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Abstract

The concept of subdifferentiability is studied in the context of C^1 Finsler manifolds (modeled on a Banach space with a Lipschitz C^1 bump function). A class of Hamilton-Jacobi equations defined on C^1 Finsler manifolds is studied and several results related to the existence and uniqueness of viscosity solutions are obtained.

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