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NOTE ON GLOBAL SOLVABILITY

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ABSTRACT

The connection between PDEs and Geometry is well known. When the flow on smooth manifold is characterized as vector field then one would expect that the flow remains stable for time as much possible as we wish. But, this is too much a requirement several topological constraints will come in the way of such smooth flows. We have made a note of this fact interms of global solvability.

KEYWORDS: Smooth Manifolds, Flows and Finite Time Singularities