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Jose Ruidival dos Santos Filho* (santos@dm.ufscar.br), Via Washington Luis, Km 235, Sao Carlos, Sao Paulo 13565-905, Brazil, and **Joaquim Tavares** (joaquim@dm.ufpe.br), Rua Dr. Luis Freire, s/n, Recife, Pernambuco 50740-540, Brazil. *Injective Mappings and Solvable Vector Fields of Euclidean Spaces*. Preliminary report.

We prove a sufficient condition for injectivity in a class of mappings defined on open connected subsets of the n -dimensional Euclidean space. The result relate solvability of appropriate vector fields with injectivity of the mapping and extend an previous result for $n \leq 3$ by the first author. (Received January 16, 2008)