

**Kánnai, Zoltán; Tallos, Péter**

**Stability of solution sets of differential inclusions.** (English) Zbl 0851.34015  
*Acta Sci. Math.* 61, No. 1-4, 197-207 (1995).

*A. Constantin* [*J. Differ. Equations* 114, 243-252 (1994; [Zbl 0808.34013](#))] proved the continuity of the solution map of an infinite time horizon differential inclusion by introducing an appropriate norm on the space of continuous functions. In the present paper, the authors extend this result under milder conditions, namely without making use of convexity or compactness of the right-hand side.

The norm they introduce on the space of solutions generates a stronger topology than that in Constantin's paper.

Reviewer: [D.Kravvaritis \(Athens\)](#)

**MSC:**

[34A60](#) Ordinary differential inclusions  
[47H04](#) Set-valued operators

Cited in **2** Documents

**Keywords:**

[continuity of the solution map](#); [differential inclusion](#); [topology](#)