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## Continuous version of Filippov's theorem for a second-order differential inclusion

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**Abstract** - Using Bressan-Colombo results, concerning the existence of continuous selections of lower semicontinuous multifunctions with decomposable values, we prove a continuous version of Filippov's theorem for a second-order semilinear differential inclusion. This result allows to obtain a continuous selection of the solution set of the problem considered.

**Key words and phrases** : cosine family of operators, mild solution, decomposable sets

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