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## **On an initial value problem for a Sturm-Liouville type differential inclusion with nonlocal conditions**

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**Abstract** - The existence of solutions for a class of second-order differential inclusions with nonlocal initial conditions is investigated. By using a suitable fixed point theorem, an existence result is obtained in the case when the right hand side has convex values.

**Key words and phrases** : differential inclusion, nonlocal conditions, fixed point.

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