

## THE SYNCHRONIZATION PROCESS CONTROL IN THE CASE OF AN AUTOMATICALLY GEAR SHIFTING OF A MANUAL GEAR BOX

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### Abstract

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The automatic gear shifting control of a manual transmission has a lot of advantages, so the interest in this area seems to be a promising direction of the future researches in the area of the driveline progress. One of most complicated problem is the clutch actuation, but very important is to solve the problem of synchronization gear shifting, which influences the gear box durability. The paper presents a combined solution with a good balance between hard and soft ware that improve the automating gear shift process in the case of a small car.

### Keywords

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