

## ON LOCALLY EXPLICIT MODEL OF BACKLASH-CONVERTER

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In this paper a new mathematical model of backlash-converter in the form of a locally explicit equation is suggested. In contrast to the known model of Krasnoselskiy-Pokrovskiy it is defined straight away for all continuous input functions without passage to the limit. The equivalence of these models is proved. For the model of backlash the connection with similar model of stop-converter is set up. It made possible to show its equivalence with Krasnoselskiy-Pokrovskiy model too. Some properties of backlash-converter in the new description are established.