

## ABSTRACT

The master's dissertation includes 101 pages, 32 figures, 29 tables, 6 sheets A1, 30 used sources.

The purpose of the master's thesis is to develop and study of a roller coaster linear electric drive.

The analytical review of the existing types of roller coasters train drives and skip lifts, research of static and dynamic modes of the linear electric drive of the trolley is carried out in the work. An algorithm for controlling sections of a linear motor has been developed. The choice of control and power equipment is made, the parameters of the electromechanical system of the attraction trolley are calculated. The obtained results of calculations, modeling and conclusions were analyzed.

TRAIN, LINEAR INDUCTION MOTOR, OVERLAPE COEFFICIENT,  
CONTROL SYSTEM, INDUCTOR, SECONDARY ELEMENT

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<i>Зм.</i>	<i>Лист</i>	<i>№ докум.</i>	<i>Підпис</i>	<i>Дата</i>		Т		
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