

## SUMMARY

The diploma project comprises: 116 pages, 37 figures, 11 tables and the graphical part on 3 pages A1.

In this thesis project selection and calculation of the induction motor and vector control research point for belt conveyor. Calculation of AD includes: calculation of nominal load and maximum load, the choice calculation of power part and reducer. Selected refinement algorithm ensures asymptotic trajectories given moment and flux.

The method of mathematical modeling could graphics engine transients when developing the trajectory point corresponding to the urban cycle of the vehicle and its movements downhill.

INDUCTION MOTOR, , CONVEYOR, FIELD ORIENTED CONTROL, SYNTETHIS, MATLAB, CHARACTERISTICS, RESEARCH, CONVEYOR BELT, CONVEYOR.

					141.62107.006.БР			
	Letter	№ of doc.	Sign.	Date				
Devel.	Y. Zozulia				Electric drive and automation of the conveyor belt	L.	Page	Pages
Checked	M. Pechenic						8	115
N. Contr.	V.Teryaev					NTUU «Igor Sikorsky Kyiv Polytechnic Institute», FEA, gr. EP-62		
Approved								