

SUMMARY

The diploma project comprises: pages - 71, figures - 38, tables – 12, and graphic part on 3 pages A1.

In the diploma project the development of vector control was carried out on the basis of the digital signal processor TMS320F28069 and the control board. The developed software for this processor, that is, algorithms of frequency and vector control for research and comparison of this processor with modeling programs in Simulink. An InstaSPIN-FOC software engine overview is also provided.

VECTOR CONTROL, FREQUENCY CONTROL, DIGITAL SIGNAL PROCESSOR, SHIFT-POWER MODULATION, SOFTWARE, VISUALIZATION, TMS320F28069, MICROCONTROLLER, MODELING.

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| | Letter | № of doc. | Sign. | Date | <i>«Vector control system based on digital signal processor» Summary</i> | L. | Page | Pages |
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| Checked | S.Kovbasa | | | | | | | |
| N. Contr. | V. Teryaev | | | | | NTUU «KPI», FEA Department AEMS-ED gr. EP-g61-2 | | |
| Approved. | S. Peresada | | | | | | | |