

SUMMARY

Diploma project contains pages - 82, drawings - 38, tables - 2 and graphic part on 3 sheets A1.

Mathematical models in immobile and rotating coordinate systems for research of asynchronous motors are developed. The synthesis of the vector control system for the speed of blood pressure is executed. The structural implementation of the energy-optimal BP control law is proposed, which differs not only with good energy indicators, but also high quality of transient processes when adjusting the speed in the first and second zones.

INDUCTION MOTOR, FREQUENCY CONVERTER, VECTOR CONTROL, OPTIMAL CONTROL, MATHEMATICAL MODEL, LOSS.

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Змн.	Лист	№ of document	Signature	Date								
Розроб.		S. Oshurko			Minimization of losses in copper and steel vector controlled asynchronous motors Summery							
Checked by		O. Tolochko				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Lit.</td> <td style="width: 10%;">Page</td> <td style="width: 10%;">Pages</td> </tr> <tr> <td></td> <td style="text-align: center;">7</td> <td style="text-align: center;">82</td> </tr> </table>	Lit.	Page	Pages		7	82
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