

SUMMARY

The diploma project contains: pages - 70, drawings - 28, tables - 2, and a graphic part on 3 A1 sheets.

The diploma project developed a system for controlling the pulse feed of the electrode wire taking into account the welding current. The calculation and selection of the power of the valve engine. The two-circuit speed control subsystem has an internal current loop with a relay controller. The speed loop is set to the modular optimum.

The efficiency of the developed model of the automatic control system was confirmed by mathematical modeling.

ELECTRIC DRIVE, WELDING CURRENT, PULSE FEED, VALVE MOTOR, SYNTHESIS.

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<i>3M.</i>	<i>Sheet</i>	<i>№ document</i>	<i>Signature</i>	<i>Date</i>	
<i>Developed</i>	Dubovchuk V.				Automated electric drive for pulsed supply of welding machine electrode wire. Summary
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<i>H. contr.</i>					9 70
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