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## LIST OF USED ABBREVIATIONS

**I2C** – Inter-Integrated Circuit

**PWM** – Pulse-Width Modulation

## SYMBOLS USED IN THE PAPER

e – euler's number 2.71828

#### INTRODUCTION

#### 1. DETERMINATION OF TECHNICAL PARAMETERS OF INDUSTRIAL MINIROBO

- 1.1. Industrial minirobot arm functions
- 1.2. Industrial minirobot arm modes

2. DEVELOPMENT OF MECHANICAL DESIGNS OF INDUSTRIAL MINIROBOT

3. DETERMINATION OF TECHNICAL PARAMETERS, FUNCTIONS AND MODES OF OPERATION OF THE MINIROBOT CONTROL SYSTEM

4. DEVELOPMENT OF THE STRUCTURAL SCHEME OF THE MINIROBOT CONTROL SYSTEM

5. DEVELOPMENT OF FUNCTIONAL AND CIRCUIT DIAGRAMS OF THE MINIROBOT CONTROL SYSTEM

6. DEVELOPMENT OF ALGORITHMS AND CONTROL PROGRAMMES FOR THE MINIROBOT CONTROL SYSTEM

# 7. TESTING OF THE MINIROBOT CONTROL SYSTEM

#### **REFERENCES**