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# **The Possibility of Constructing Loop Control Systems by Frequency Electric Drives**

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**Key words and phrases:** automated electric drive; control system of asynchronous electric drive; controller selection; setting the speed loop; symmetrical optimum.

**Abstract:** The article proposes the ways to improve the dynamics of operating electric drives of mechanisms and technological processes of various types through the optimal solution to the problem of choice of the regulator. In particular, it is noted that constructing any regulator begins with determining the structure and parameters of the control object. The settings for the speed loop at symmetrical optimum and the factors affecting the accuracy of the speed control have been discussed.