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**METHODOLOGY FOR SELECTION OF SYNTHESIS ALGORITHM OF CONTROL ACTIONS  
WITH THE MULTIDIMENSIONAL TECHNOLOGICAL OBJECT ON THE SET OF OPERATION  
STATES**

The paper considers the synthesis algorithms of control actions used in systems of energy saving control of multidimensional technological objects. The authors developed methodology for selection of synthesis algorithm of energy-saving control actions, taking into account possible changes in the operation state of a multidimensional object in actual operation.

**Keywords:** energy saving control, multidimensional object, set of operation states.

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