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Abstract

In this paper, we'd like to present a tool for modeling and representing systems that allows a subsequent structuring of their control o. This tool, which is the causal informational graph (CIG), allows to highlight the different relationships between energy variables in a system; supplemented by another tool that is the macroscopic energy representation (MER), which insists on the principle of action and reaction between the different elements of the system. These tools enable a dual interest, first developing the model for the system structure and its control. In this article we consider the application as electromechanical conversion chain with actuator as an induction machine.

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Index Terms

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Keywords

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Field oriented control