Stability enhancement of multi-machine power systems by hybrid neural fuzzy-logic control.

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Description

Based on the hybrid ANN–FL modeling technique presented in Chapter 4, an intelligent control system can be designed for speed control of the DC motor discussed in this section, is needed.(1) A knowledge base that consists of a rule base and a data base. The rule base defines a set of linguistic rules established on expert knowledge of the dynamic behavior of the fuzzy sets used in the rule base. Experience and engineering judgment is incorporated in designing the data base. This will be further covered in the following sections.