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discusses numerous AI
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Artificial Intelligence in Diagnostics of Electric Machines

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Artificial Intelligence Based Electrical Machines
Roughly half of all electricity generated is consumed in motors, and recent efforts to apply artificial intelligence (AI) to improving electric

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Artificial-Intelligence-Based Electrical Machines and Drives

Abstract. The article is focused on the applied artificial intelligence in the diagnostics of electric machines. Attention is paid to some developmental trends of artificial intelligence, for example, neural networks, fuzzy systems, genetic algorithms and expert systems. Having in mind the intended future usage in electric machine diagnostics...

**General Electric Builds an AI
Workforce - MIT Technology**

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**Fault Detection in Induction
Motors Based on Artificial ...**
Researchers soon realized
that the performance of
induction motor drives can be
enhanced by adopting
artificial-intelligence-based
methods. Since the 1990s, AI-
based induction motor drives
have ...

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intelligence techniques have

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been developed and applied in the monitoring processes of faults, among them, the Artificial Neural Networks (ANNs), Fuzzy Logic (FL) and Support Vector Machines (SVM) [5, 6, 7, 8]. Regarding the neural networks, it is important to note that the ANNs can be considered as “black boxes”;

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The artificial intelligence
appears as an interesting
alternative to control the
asynchronous motor and to
satisfy the desired
requirements. The base
element, in a fuzzy command
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