

Invited Talk

Open-end winding induction motor drive topologies- a recent trend

Prof. K. Gopakumar
Department of Electronic
Systems Engineering (DESE)
Indian Institute of Science
Bangalore-560012,INDIA

Abstract:

Multilevel inverter topologies are finding application in industrial drive environment and many interesting topologies have been reported in literature. Many interesting multilevel voltage space vector structures can be achieved by feeding the machine from both the ends(opening the neutral and feeding the machine with another independent inverter). Many interesting topologies and controls have been recently reported in literature. The content of the present talk is more on the multilevel voltage space vector generation with open end winding IM drive with reduced DC link voltage requirement, reduced DC link power supplies, control with common mode voltage elimination and multilevel voltage space vector generation for IM drive with a single DC link enabling back to back drive operation.

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