Abstract

A novel 3D design is proposed here of the long primary double sided linear induction motor for the electromagnetic analysis. The calculations based are on the method of finite element method. The cardinal design of the double sided long secondary linear induction motor is obtained and verified with the experimental motor. The design so obtained can be used to calculate various electromagnetic parameters of the motor.
To Analyze Electromagnetic Effects of Double Sided Linear Induction Motor using 3D Finite Element Method

- Boldea I., Linear electric machines, drives, and MAGLEV handbook.
- Bianchi N., Electrical machine analysis using finite elements.
- Zhao J., Trillion Q., Zheng, Wei Zhang, Jin Fang, Yang Z., and Liu Y. "Design

Index Terms

Computer Science
Power System

Keywords
Short Primary Double Sided Linear Induction Motor
Electromagnetic Parameters
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