

A Case of Coupled Analysis of JMAG-RT and Circuit Simulator

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Abstract :

The comparison between analytical and experimental results of various motor characteristics is described. The motor is defined as the benchmark model in the investigating R&D Committee of IEEJ.

Reference Material

- (1) Masafumi Fujita, Daisuke Miyagi, Kan Akatsu, Takushi Fujioka, Hiroyuki Kaimori, Hideki Ohguchi, Katsumi Yamazaki, Yoshihiro Kawase, Norio Takahashi, Yoshiyuki Ishihara: “Electromagnetic field analysis of IEEJ benchmark motor : characteristic evaluation of IPM motor.” IEEJ Joint Static Appliance and Motor Research Institute, SA-11-027/RM-11-027 (2011)
- (2) Masafumi Fujita, Daisuke Miyagi, Kan Akatsu, Takushi Fujioka, Hiroyuki Kaimori, Hideki Ohguchi, Katsumi Yamazaki, Yoshihiro Kawase, Norio Takahashi, Yoshiyuki Ishihara: “Electromagnetic” field analysis of IEEJ benchmark motor-iron loss evaluation of IPM and Syn.RM-” IEEJ Joint Static Appliance and Motor Research Institute, SA-11-073/RM-11-086 (2011)
- (3) IEEJ Technology Report “Practical Performance Evaluation Technology for Motors Via Electromagnetic Field Analysis” (Issued in January, 2012)