

Research and Development of measuring technique of Loss and Heat for HV motor

Tsutomu Hosoi^{1*}, Ryotaro Okamoto¹, Hirohito Matsui¹, Daisuke Miyata¹, Yasuyuki Haseo¹,
Muneo Yorinaga¹, Naoki Tanaka², Masashi Inaba², Yasutaka Kamiya²

¹NIPPON SOKEN, INC., Nishio 445-0012, Japan

²DENSO CORP., Kariya 448-8661, Japan

We established the measurement technique of magnetic flux density on permanent magnet surfaces when IPM motor operates using small and thin 2 type sensors.

This technique was applied to the HV motor for driving. The frequency component and generating area of the eddy current loss were clarified.

Education

Mar. 2006 B.Eng. in Department of Electrical Engineering Faculty of Science & Technology,
Tokyo University of Science (東京理科大学)

Mar. 2008 M.Eng. in Department of Electronics and Applied Physics,
Tokyo Institute of Technology (東京工業大学)

Work Experience

Apr. 2008 Joined DENSO CORPORATION (㈱デンソー)

Sep. 2008 Assigned NIPPON SOKEN, INC (Current Department)
(㈱日本自動車部品総合研究所)