

Zbigniew GAWĘCKI  
Roman NADOLSKI

## CONSTRUCTION METHODS OF REDUCING COGGING TORQUE OF A DC BRUSHLESS MOTOR

**ABSTRACT** *The article presents selected construction methods for reducing the value of cogging torque at the design stage of DC brushless motors excited by permanent magnets. Calculations using the finite element method calculation (FEM) has been performed in Flux v.10.3 packet of Cedrat company. For the two prototype motors designs experimental studies have been performed.*

**Keywords:** *brushless dc motor, cogging torque, finite element method (FEM).*