

具固定共模電壓之不連續脈波寬度調變器用於三階轉換器

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摘要

This study proposes a three level neutral-point-clamped (NPC) converter operated with constant common-mode voltage (CMV) pulse width modulator (PWM). The CMV and common-mode current (CMC) of the NPC converter are reduced by the constant CMV PWM scheme. Furthermore, the discontinuous PWM scheme is utilized to reduce the switching losses of the three level NPC converters. Simulation results and test results are presented to validate the performances of the proposed scheme

關鍵字：neutral-point-clamped converter; common-mode voltage; discontinuous PWM