

عنوان مقاله:

Hysteresis Control in Three-Phase Voltage Source Inverter

محل انتشار:

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تعداد صفحات اصل مقاله: 15

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خلاصه مقاله:

The current control methods play an important role in power electronic circuits, particularly in current regulated PWM inverters which are widely applied in ac motor drives and continuous ac power supplies where the objective is to produce a sinusoidal ac output. The main task of the control systems in current regulated inverters is to force the current vector in the three phase load according to a reference trajectory. In this paper, two hysteresis current control methods (hexagon and square hysteresis based controls) of three-phase voltage source inverter (VSI) have been implemented. Both controllers work with current components represented in stationary (α, β) coordinate system.

کلمات کلیدی:

“control”, “inverter”, “current”, “Three-Phase”.

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1133772>

