International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.7, No. III (August 2014), pp. 89-98

HARDWARE DESIGN OF TFZPW GENERATOR DIGITAL EXCITATION VOLTAGE SYSTEM

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Abstract

The main function of the excitation voltage regulation system is to ensure that the output of the generator voltage stability and accuracy, its performance affects the quality of the output power of the generator. Use the DSP chip as the core of control circuit for excitation voltage systems, around the chip hardware excitation voltage systems are designed. Finally, the hardware immunity was designed, use experiments to verify the feasibility and stability of the voltage regulation system, achieve a system of digital excitation voltage.

Keywords: excitation voltage system; DSP; software design; digit

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