

DIGITAL RECONSTRUCTION OF TFZPW GENERATOR EXCITATION VOLTAGE REGULATION SYSTEM

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Abstract

This paper introduces the structure and working principle of TFZPW generators and excitation voltage system, put forward an improved scheme of this type of generator excitation voltage regulation system. Use the DSP chip as the core of control circuit for excitation voltage systems. Use digital signal processing technology instead of the original analog signal technology to make the output of the generator more stable and reliable.

Keywords: excitation voltage regulation system; analog signal; digital signal