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by TMS320C25.

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Abstract

The characteristics of real system is difficult to find mathematically. In practice, analyser measures two signals which are system input and output signals. Then transfer function is found and used to describe system characteristics. The method for transforming both signals to transfer function is difficult and slow. Because of it's has high calculation speed (upto 10 million instructions per second) and ability to transfer data with external devices (maximum rate of data transfer is 110 KHz.), a TMS320C25 is introduced. The capability of TMS320C25 make the determination of transfer function fast and accurate.