

عنوان مقاله:

The optimization of the Ultrasonic Sensor Operation in NDT

محل انتشار:

کنفرانس بین المللی تحقیقات بنیادین در مهندسی برق (سال: 1396)

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خلاصه مقاله:

In Ultrasonic technology using ultrasonic signal and the study of frequency and the intensity of its echo signal has helped body strength test which has been called, Non Destructive Testing engineering (NDT) in science. Therefore by the investigation of this sensor s operation and the recognition of the different methods of NDT using ultrasonic signals can prepare its better usage and makes it to be used in the best way to recognize the strength and density of materials and etc. It is worth noting that because of the diversity and the widespread use of this sensor can be used as an alternative substitution to traditional sensors, but in this study we will only focus on the behavior of ultrasonic .sensors in NDT test

کلمات کلیدی:

Ultrasonic technology, strength, density, Non Destructive Testing

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