Ultrasonic characterization of materials hardness

A. Badidi Bouda, A. Benchaala, K. Alem

Abstract: In this paper, an experimental technique has been developed to measure velocities and attenuation of ultrasonic waves through a steel with a variable hardness. A correlation between ultrasonic measurements and steel hardness was investigated.

Keywords: Ultrasounds, hardness, Velocity, Attenuation