

# **MEASURING ULTRASOUND ABSORPTION FACTOR FOR LIQUIDS IN CASE OF NON-LINEAR PROPAGATION OF ULTRASONIC WAVES**

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The paper presents the results of calculating free non-linear oscillation amplitude decrease in an ultrasound resonator filled with liquid dissipative medium. On the basis of the calculation results the dependence of ultrasound absorption factor on the oscillation decrease time has been analysed. On the strength of this, a procedure is proposed that allows experimentors to avoid major mistakes when measuring the ultrasound absorption factor under non-linear wave propagation.