

Abstract Submitted
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Comparing Two Methods Used in Calculating Acoustical Intensity DARREN TORRIE, BENJAMIN CHRISTENSEN, ERIC WHITING, None, TRACI NEILSEN, KENT GEE, Advisor — When measuring acoustical intensity the standard is usage of the finite difference method. This method however is not very reliable for high frequencies specifically above 2 kHz. A new method called the phase amplitude gradient estimator or PAGE method has been developed at BYU which in theory doesn't break down as frequencies increase. We have done several different intensity scan experiments that verify that the PAGE method is accurate and reliable at frequencies where the finite difference method fails.

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None

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