



Watson, F. R. Acoustics of Auditoriums. Bulletin of the Engineering Experiment Station, University of Illinois, March, 1914. Jones, L.T. a Modified Method of Measuring C (Paperback)

By University Of Illinois Physics

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1914 Excerpt: .than the others. Two layers of this material stop less sound than one layer. Repeated measurements gave the same puzzling result. The m-cork board shows the same phenomenon, but to a less degree. After some consideration, it was decided to investigate other acoustical properties of the samples to see if additional data would explain this anomalous transmission. If incident sound falls on a material, three things may happen. The sound may be partly reflected, partly absorbed and the rest transmitted. If these three fractions are added together, they must equal the incident sound, or $T + A + R = I = 100$ per cent. Therefore to know what happens to the incident sound it is necessary to determine the amounts reflected, absorbed and transmitted. On considering the case of the paper-lined hairfelt in the light of this reasoning, it was decided to attempt to measure the reflection...



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