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Subject: Two horn theory papers

Posted by [Mike.e](#) on Thu, 05 May 2005 22:26:27 GMT

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Hi all. Maybe useful to some in case you haven't seen. Horn Acoustics ZIP Calculation through the cutoff frequency [b&w engineer] Analysis of a Folded Horn pdf Andrew Bright 1 21 Nokia Group, FIN-00045, Helsinki, Finland 2 Section of Acoustic Technology, Ørsted • DTU, Technical University of Denmark, Lyngby, Denmark ABSTRACT A boundary element model is used to analyse a folded horn. Results from the boundary element model are compared to measurements of the throat radiation impedance and the far-field acoustic response. Further analysis shows how one-dimensional and lumped parameter models can be derived from the boundary element results, and used to gain insight into the behaviour of the folded horn loudspeaker system. It is shown that one type of folded horn behaves more like a vented-box than a traditional horn-loaded loudspeaker system.

Link

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