

Computational solution of the acoustic field surrounding a baffled panel by the Rayleigh integral method

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The acoustic field surrounding a baffled vibrating panel is modelled by the Rayleigh integral. In this paper product integration is applied to the Rayleigh integral to derive a method that is termed the Rayleigh integral method. A particular implementation of the method is described. The method is applied to test problems, and results are given.

Other papers by SMK can be found on www.kirkup.info/papers. The software that is derived from this can be found on www.boundary-element-method.com