# ON THE SOLUTION OF THE $n-$DIMENSIONAL WAVE EQUATION

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### Abstract

In this paper we shall consider the solution of the $n-$ dimensions wave equation by Riemann's method. The verification is seen when we let $n = 1$ which nicely results in the d'Alembert's solution. There are other methods that can be used to solve the $n$-dimensions wave equation for example the $n$-dimensional initial value problem of Cauchy can be reduced to 1D wave equation by integration of the wavefield.

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