## Note on the wave equation and tensor products.

## ABSTRACT

In this study we apply convolution and tensor products of distribution to solve the nonhomogenous wave equation with initial condition and discuss the uniqueness and continuity of solution. We also show that the tensor product can be applied to compute the some singular integrals.

**Keyword:** Convolution product; Delta function; Distribution; Fundamental solution; Nonhomogenous equation; Tensor product.