

## **Certain definition of Half-Hartley transform in the space of generalized functions**

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**Abstract:** In this article, we present the definition of the half-Hartley transform in a certain space of generalized functions. We derive operations and obtain some spaces of Boehmians where the transform is well-defined.

**Keywords:** Half-Hartley transform, Hartley transform, signal processing, generalized Hartley, Boehmian space.

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