



**RECURRENCE FOR WEIGHTED BACKWARD SHIFT
PERMUTATION OF THE IDENTITY**

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Received March 03, 2016

Abstract

In the present paper, we investigate the topological multiply recurrence of the linear operator $I + B_{\omega}$ acting on sequence space $l^2(\mathbb{N})$, and then answer a previous question.

Keywords and phrases: frequently hypercyclic operators, topologically multiply recurrence.

**Pioneer Journal
of Mathematics
and Mathematical
Sciences**



**Pioneer Scientific
Publisher**