BILATERAL WEIGHTED SHIFT OPERATORS
SIMILAR TO NORMAL OPERATORS

GYÖRGY PÁL GEHÉR

Abstract. We prove that an injective, not necessarily bounded weighted bilateral shift operator on $\ell^2(\mathbb{Z})$ is similar to a normal operator if and only if it is similar to a scalar multiple of the simple (i.e. unweighted) bilateral shift operator $S$.


Keywords and phrases: Bilateral weighted shift operator, similarity to normal operators.

REFERENCES