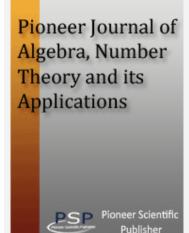# SOME NOTES ON M-HYPONORMAL WEIGHTED SHIFTS AND HYPONORMALIZABLE WEIGHTED SHIFTS

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Abstract

Let $\{a_n\}_{n=0}^{\infty}$ be a weight sequence and let W denote the associated unilateral weighted shift on H. In this paper, we consider the connection between the M-hyponormal and hyponormalizable weighted shifts operators. Main results are Theorems 4.1 and 4.2. Theorem 4.1 is the sufficient condition when a weighted shifts M-hyponormal operator become hyponormalizable. Theorem 4.2 is the sufficient condition when a weighted shifts hyponormalizable operator become M-hyponormal. Finally, invariant subspaces of such operators are discussed.