UNBOUNDED OPERATORS COMMUTING WITH THE COMMUTANT OF A RESTRICTED BACKWARD SHIFT

DONALD SARASON

Abstract. It is shown that, in a proper coinvariant subspace of the shift operator on the Hardy space $H^2$, a densely defined operator that commutes with the commutant of the restricted backward shift is closable. A connection between this result and a case of the transitive algebra problem is discussed.

Keywords and phrases: Restricted backward shift, closability, transitive algebra problem.

REFERENCES