

1086-VK-156 **Daniel Sievewright*** (daniel.s.sievewright@wmich.edu). *Deddens Algebras for Weighted Shifts*.

We describe the possible structure of the Deddens algebra associated with a weighted shift, focusing on injective weighted shifts of finite multiplicity. We give necessary and sufficient conditions for such an algebra to have a nontrivial invariant subspace. Then, several examples are given to show that we cannot strengthen the results about the structure of the Deddens algebra. (Received July 30, 2012)