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Wandering Subspaces of the Dirichlet Space Over Polydisc.

In this talk I am going to discuss that doubly commuting invariant subspaces of the Bergman space and the Dirichlet space over polydisc have the generating wandering subspace property. Our result on the Bergman space over polydisc is a generalization of the base case due to Redett and Tung. Our analysis is based on the Wold-type decomposition result of S. Shimorin for operators closed to isometries. This is a joint work with J. Sarkar, B.K. Das and S. Sarkar. (Received February 10, 2014)