1014-46-557

Jeremy James Becnel* (becnel@gmail.com), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803-4918, and Ambar N Sengupta (sengupta@math.lsu.edu), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803-4918. An Infinite Dimensional Integral Identity for the Segal-Bargmann Transform.

We prove an infinite-dimensional integral identity equating the integral of a function on a subspace of a linear space to the integral of its Segal-Bargmann transform over the orthogonal complement. (Received September 20, 2005)