

1016-43-292

Matthew B Stenzel* (stenzel@math.ohio-state.edu), Ohio State University, Newark, 1179 University Drive, Newark, OH 43055. *An inversion formula for the Segal-Bargmann transform on a symmetric space of non-compact type.*

We prove analogs of the heat kernel transform inversion formulae of Golse, Leichtnam and the author in the setting of a Riemannian symmetric space of Helgason's non-compact type. (Received February 14, 2006)