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Centre-Ville, Montreal, Quebec H3C3P8, Canada. *h-Positivity and Diagonal Coinvariant Spaces.*

We discuss the implications of positivity of coefficients for the expansion of the multigraded Hilbert series of diagonal coinvariant spaces in the  $h$ -basis (of complete homogeneous symmetric functions). This gives rise to several new combinatorial identities. (Received June 29, 2011)