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**Adam Coffman\***, IPFW Dept. of Math. Sci., 2101 E. Coliseum Blvd., Fort Wayne, IN. *Rational functions on real or complex weighted projective spaces.*

On a complex weighted projective space, there are always enough rational functions of the form  $f_{jk}(z) = [z_j^a : z_k^b]$  so that their product  $(\dots, f_{jk}, \dots)$  is one-to-one on an open set. We consider the problem of how many such functions are needed, and how the real case is different. (Received July 26, 2013)