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Greg Knese* (geknese@math.wustl.edu), Washington University in St. Louis, One Brookings Drive, Campus Box 1146, St. Louis, MO 63130. *Regularity of rational functions and extreme points*. Preliminary report.

We discuss non-tangential regularity properties of rational functions on the polydisk and the connection to the problem of characterizing the extreme points of the set of analytic maps from the polydisk to the right half plane normalized to map the origin to 1. (Received August 07, 2015)