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Zhongyi Nie and **Russell M. Brown*** (russell.brown@uky.edu), Department of Mathematics,
University of Kentucky, Lexington, KY 40506 0027. *Estimates for a family of multi-linear forms.*

We consider a family of n -linear forms and establish uniform estimates as n increases. We apply these estimates to study a scattering map that arises in several contexts including the inverse conductivity problem and the solution of one of the Davey-Stewartson equations by the method of inverse scattering. (Received January 19, 2011)