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John T Anderson* (anderson@mathcs.holycross.edu), Dept. of Mathematics and Computer Science, College of the Holy Cross, Worcester, MA 01610-2395, and **Alexander Izzo** (aizzo@math.bgsu.edu). *Approximation on Real-Analytic Varieties.*

Let V be a real-analytic variety in \mathbb{R}^n , K a compact subset of V , and A a uniform algebra generated by functions real-analytic in a neighborhood of K . Assuming (1) every point of K is a peak point for A , and (2) the maximal ideal space of A is K , we show that $A = C(K)$. This generalizes previous results of the authors and John Wermer concerning approximation by holomorphic polynomials on real-analytic varieties in \mathbb{C}^n . (Received September 04, 2012)