1054-05-286   **Karsten O. Chipeniuk*** (`karstenc@math.ubc.ca`), Room 121, 1984 Mathematics Road, Vancouver, BC V6T 1Z2, Canada. *Sums and Products of Distinct Sets in $\mathbb{C}$.*

Let k and l be integers, and let A and B be large finite subsets of $\mathbb{C}$. We show that if the productset $|AB| < \alpha|A|$ for some α, which is not too big, and if A and B have comparable size, then the iterated sumset $kA + lB$ is large. The proof generalizes an argument of Chang for the case $A = B$. (Received September 15, 2009)