

Meeting: 1003, Atlanta, Georgia, SS 26A, AMS-SIAM Special Session on Dynamic Equations on Time Scales; Integer Sequences and Rational Maps, I

1003-37-629 **Michał Misiurewicz*** (mmisiure@math.iupui.edu), Department of Mathematical Sciences, IUPUI, 402 N. Blackford Street, Indianapolis, IN 46202-3216. *Counting permutations for interval maps.*

Bandt, Keller and Pompe introduced a method of computing the entropy of piecewise monotone interval maps by counting permutations exhibited by initial pieces of orbits. I show that for topological entropy this method does not work for arbitrary continuous interval maps. I also show that for piecewise monotone interval maps topological entropy can be computed by counting permutations exhibited by periodic orbits. (Received September 24, 2004)