

1046-51-321

Schlicker Steven* (schlicks@gvsu.edu), Department of Mathematics, 1 Campus Drive, Grand Valley State University, Allendale, MI 49401-9403. *Integer Sequences from Polygonal Chains in the Geometry of Compact Sets.*

The Hausdorff metric geometry provides fertile ground for much interesting and surprising mathematics. In this session, we will explore the concept of betweenness in this geometry and introduce a three-parameter family of new integer sequences that arise from special types of line segments defined by polygonal chains. (Received August 26, 2008)