

1053-51-224

**Viktor Schroeder\*** ([vschroed@math.uzh.ch](mailto:vschroed@math.uzh.ch)), Institute of Mathematics, University of Zurich,  
Winterthurerstr. 190, Zurich, Switzerland. *Ptolemy spaces with many circles.*

The boundary of a CAT(-1) space carries a natural class of metrics which satisfy the Ptolemy condition. In these spaces there is a natural concept of circles. In this talk we study Ptolemy spaces with many circles and give applications to CAT(-1) spaces. (Received September 05, 2009)