

1116-VB-1089 **Colleen Ackermann*** (ackrmnn2@illinois.edu), **Peter Haïssinsky** and **Aimo Hinkkanen**.
Quasiconformal Mappings and Equilateral Triangles.

Quasiconformal mappings, first discovered nearly a century ago, have found many applications in various fields including PDE's, complex dynamics, and Teichmüller theory. The diversity of applications of quasiconformal mappings may be due to their many different characterizations. I will discuss a new sufficient condition for quasiconformality which depends only on the relative distances between the images of the vertices of equilateral triangles. (Received September 16, 2015)