

1046-52-2008 **Erwin Lutwak** and **Deane Yang*** (dyang@poly.edu), Six Metrotech Center, Brooklyn, NY
11201, and **Gaoyong Zhang**. *Convex geometry, Sobolev inequalities, and information
theory*. Preliminary report.

Recent work by the authors and others on connections between convex geometry, Sobolev inequalities, and information theory will be presented. (Received September 16, 2008)