

1036-52-83

**Erwin Lutwak\*** (elutwak@poly.edu), Department of Mathematics, Polytechnic University, Brooklyn, New York, NY 11201, **Deane Yang**, Department of Mathematics, Polytechnic University, Brooklyn, New York, NY 11201, and **Gaoyong Zhang**, Department of Mathematics, Polytechnic University, Brooklyn, New York, NY 11201. *Moment, entropy and Fisher information inequalities.*

Geometric inequalities in convex geometry are linked to information theoretic Moment, entropy and Fisher information inequalities. Some of the relationships will be presented. (Received January 14, 2008)