1036-35-132 **Junfang Li*** (`jli@math.mcgill.ca`), Department of Mathematics and statistics, McGill University, Montreal, Qebec H2X 2B5, Canada. *The quermassintegral inequalities for starshaped domains.*

In this talk, we discuss isoperimetric inequality for Quermassintegrals in non-convex domains. We will use geometric evolution equations to prove the related geometric inequalities. (Received January 20, 2008)