## 1023-Z1-606Anand Kumar\* (anandkumar1234@yahoo.com), Ramanujan School of Mathematics, Shanti<br/>Kutir, Chandpur Bela, Patna-800 001, India. Inequalities Through Geometry.

The main goal of all prestigious undergraduate level mathematics competitions around the world is to present a good mathematical challenge to brilliant young minds. Problems based on concepts of inequalities are vital source of this challenge. From the beginning of our school days, we are gradually trained to learn about basic concepts of inequalities. But it is often said, "A picture is worth more than a thousand words". Therefore, it will be better to understand, as well as explain, some of these inequalities with the aid of drawing pictures. Several times, we can be able to easily solve the inequality problems via geometrical methods. In this talk I would like to discuss some examples of this nature. (Received September 18, 2006)