

**Meeting:** 1000, Albuquerque, New Mexico, SS 12A, Special Session on Regularity in PDEs and Harmonic Analysis

1000-52-120            **Dmitry Ryabogin\*** (ryabs@math.ksu.edu), 3312 Kennington Ct, #10, Manhattan, KS 66503.

*"Reconstruction of convex bodies of revolution from the areas of their Shadows".*

I will talk about joint results with Artem Zvavitch. We reconstruct a convex body of revolution from the areas of its shadows by giving a precise formula for the support function. (Received August 20, 2004)