962-49-121     **Mike Mayergoiz\*** (`yefim@gwu.edu`), 259 Congressional lane #512, Rockville, MD 20852. *Image reconstruction and its application in mathematical biology.* Preliminary report.

Will be developed operational calculus on Finsler's manidolds with border and without border. Will be shown relations with integral geometry in general banach spase. Some applicaions to tomography and regeneration of cells will be pointed out. (Received August 07, 2000)