Meeting: 1003, Atlanta, Georgia, SS 17A, AMS-SIAM Special Session on Nonsmooth Analysis in Variational and Imaging Problems, I

1003-65-553 **I. L. Raykov*** (ivan.raykov@utoledo.edu), Department of Mathematics, Univrtsity of Toledo, Toledo, OH 43606. *A parametric proximal point algorithm.*

This talk presents a parametric proximal point algorithm. We consider undisturbed and disturbed cases. There are given monotonicity conditions for both of them and rate of convergence conditions, superlinear and asymptotic linear rate of convergence conditions. (Received September 21, 2004)