1018-60-223 **Dimitris Cheliotis\***, Department of Mathematics, Bahen Center for Information Technology, 40 St. George St., 6th floor, Toronto, Ontario M5S3G3, Canada. *Localization of favorite points for diffusion in random environment.* 

For a diffusion  $X_t$  in a one-dimensional Wiener medium W, it is known that there is a certain process  $(b_x(W))_{x\geq 0}$  that depends only on the environment, so that  $X_t - b_{\log t}(W)$  converges in distribution as  $t \to +\infty$ . We show that the distance of  $b_{\log t}(W)$  from the set of points with the most local time at time t converges to zero in probability. Also, we present a result giving control over this distance for all times t after some large random time. (Received March 07, 2006)