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Peter R Wolenski* (wolenski@math.lsu.edu), Dept. of Math, Louisiana State University, Baton Rouge, LA 70803. *New regularity conditions for the minimal time function.* Preliminary report.

We consider the minimal time problem associated with a closed target set and with dynamics given in the form of a differential inclusion. We shall provide new conditions that ensure the minimal time function has the property of being semiconcave. (Received September 22, 2010)