

1035-49-1111 **Jesus A Pascal*** (pascal@math.lsu.edu), Lamido Zubairu Way, Yola-by-Pass, Yola, PMB 2250, Nigeria. *On a Verification Theorem for an Optimal Control Problem*. Preliminary report.

This work refers to an infinite horizon optimal control problem for which the optimal controls are impulsive in some region. We use the dynamic programming approach and prove a verification theorem to get the optimal controls (Received September 18, 2007)