

## ERRATA CORRIGE

### Reduction of Delayed Optimal Control Problems to Nondelayed Problems

T. GUINN<sup>1</sup>

**Abstract.** Typographical errors are corrected in Ref. 1.

**Key Words.** Retarded control problems, necessary conditions, control theory, time-delay systems.

Equations (11), (16), and (23) in Ref. 1 are incorrect as given. Equation (11) should be replaced with

$$\begin{aligned}\dot{q}_0 &= 0, \\ \dot{q}_1 &= -q_1 F_{1y^1} - q_2 F_{2y^1}, \\ \dot{q}_2 &= -q_2 F_{2y^2} - q_3 F_{3y^2}, \\ &\vdots \\ \dot{q}_{N-1} &= -q_{N-1} F_{(N-1)y^{N-1}} - q_N F_{Ny^{N-1}}, \\ \dot{q}_N &= -q_N F_{Ny^N}, \\ \dot{q}_{N+1} &= 0.\end{aligned}$$

Equation (16) should be replaced with

$$H(t, u_0(t)) + H(t + \tau, u_0(t)) \geq H(t, u(t)) + H(t + \tau, u(t)).$$

Equation (23) should be replaced with

$$H(t, u_0(t)) + \cdots + H(t + s\tau, u_0(t)) \geq H(t, u(t)) + \cdots + H(t + s\tau, u(t)).$$

<sup>1</sup> Associate Professor of Mathematics and Statistics, University of New Mexico, Albuquerque, New Mexico.

**Reference**

1. GUINN, T., *Reduction of Delayed Optimal Control Problems to Nondelayed Problems*, Journal of Optimization Theory and Applications, Vol. 18, No. 3, 1976.