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Toka Diagana* (tdiagana@howard.edu), Department of Mathematics, Howard University, 2441 6th Street NW, Washington, DC 20059. *Existence Results for Some Higher-Order Nonautonomous Differential Equations in Hilbert Space*. Preliminary report.

In this talk we discuss the existence of Stepanov-like $C^{(n)}$ -pseudo almost automorphic solutions to some nonautonomous higher-order differential equations on a complex Hilbert space. To illustrate our abstract results, we study the existence of Stepanov-like $C^{(n)}$ -pseudo almost automorphic solutions to a plate-like equation. (Received September 09, 2011)