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**Lan Thanh Nguyen\*** (Lan.Nguyen@wku.edu), Department of Mathematics, Western Kentucky University, Bowling Green, KY 42101. *On the almost periodic solutions to semilinear differential equations in Banach spaces.*

For the semilinear differential equation  $u'(t) = Au(t) + f(t, u(t))$ , where  $A$  is a linear, closed operator in a Banach space  $E$ , we establish the existence and uniqueness of almost periodic solutions. Applications to partial differential equations are also given. (Received August 28, 2005)