On the uniform boundedness of solutions of Liénard type equations with multiple deviating arguments

CEMIL TUNÇ

ABSTRACT.

This paper considers a Liénard type equation with multiple variable deviating arguments. We find some sufficient conditions for the solution of this equation to be uniform bounded by utilizing Lyapunov functional approach. An example is also given to show the effectiveness of our result.

YÜZÜNCÜ YIL UNIVERSITY
DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES
65080 VAN, TURKEY
E-mail address: `cemtunc@yahoo.com`