## Abstract.

In this paper, we will prove some new dynamic inequalities of Carlson and Hardy-Littlewood types on an arbitrary time scale $\mathbb{T}$. These inequalities as special cases contain the classical continuous and discrete Carlson-Bellman and Hardy-Littlewood type inequalities. The results will be proved by employing the time scales Hölder inequality, some algebraic inequalities and some basic lemmas designed and proved for this purpose.