NEW HILBERT DYNAMIC INEQUALITIES ON TIME SCALES


Abstract. In this paper, we prove some new dynamic inequalities of Hilbert type on time scales. From these inequalities, as special cases, we will formulate some special integral and discrete inequalities. The main results are proved using some algebraic inequalities, Hölder’s inequality, Jensen’s inequality and a chain rule on time scales.

Keywords and phrases: Hilbert’s inequality, Hölder’s inequality, Jensen’s inequality, time scales.

REFERENCES
