HIGHER ORDER DYNAMIC INEQUALITIES ON TIME SCALES

S. H. SAKER, R. P. AGARWAL AND DONAL O’REGAN

Abstract. In this paper, we will prove some new dynamic inequalities of higher orders on time scales. The results contain some continuous and discrete inequalities as special cases. We will prove the results by making use of Hölder’s inequality and Taylor monomials on time scales.


Keywords and phrases: Dynamic inequalities, higher order derivatives, time scales.

REFERENCES