

## SEVERAL INTEGRAL INEQUALITIES ON TIME SCALES

LI YIN, QIU-MING LUO AND FENG QI

*Abstract.* In this paper, we provide some new integral inequalities of Qi type on time scales by using elementary analytic methods.

*Mathematics subject classification (2010):* Primary 26E70; Secondary 26D15, 93C70.

*Keywords and phrases:* Integral inequality, calculus of time scales, delta differentiability.

### REFERENCES

- [1] M. AKKOUCI, *Some integral inequalities*, Divulg. Mat. **11**, 2 (2003), 121–125.
- [2] M. BOHNER AND A. PETERSON, *Dynamic Equations on Time Scales: An Introduction with Applications*, Birkhäuser, Boston, 2001.
- [3] K. BRAHIM, N. BETTAIBI, AND M. SELLEMI, *On some Feng Qi type  $q$ -integral inequalities*, J. Inequal. Pure Appl. Math. **9**, 2 (2008), Art. 43; Available online at <http://www.emis.de/journals/JIPAM/article975.html>.
- [4] V. KRASNIQI AND A. SH. SHABANI, *On some Feng Qi type  $h$ -integral inequalities*, Int. J. Open Probl. Comput. Sci. Math. **2**, 4 (2009), 516–521.
- [5] Y. MIAO AND F. QI, *Several  $q$ -integral inequalities*, J. Math. Inequal. **3**, 1 (2009), 115–121.
- [6] F. QI, *Several integral inequalities*, J. Inequal. Pure Appl. Math. **1**, 2 (2000), Art. 19; Available online at <http://www.emis.de/journals/JIPAM/article113.html>.
- [7] L. YIN, *On several new Qi's inequalities*, Creat. Math. Inform. **20**, 1 (2011), 90–95.
- [8] L. YIN AND F. QI, *Some integral inequalities on time scales*, Available online at <http://arxiv.org/abs/1105.1566>.