

RESEARCH ARTICLE | JANUARY 10 2019

On some dynamic inequalities in two variables on time scales

Deepak Pachpatte

[+ Author & Article Information](#)

AIP Conf. Proc. 2061, 020004 (2019)

<https://doi.org/10.1063/1.5086626>

In this paper, some new results are obtained on two variables dynamic inequalities. The obtained results are used in analysis of certain partial integrodifferential equations. Applications of one of our result is also given.

REFERENCES

1. R. Agarwal, D. O'Regan and S. Saker, *Dynamic inequalities on time scales* (Springer, 2014).
[Google Scholar](#) [Crossref](#)
2. G. Anastassiou, *Frontiers in time scales and Inequalities* (World Scientific Publishing Company, 2015).
[Google Scholar](#) [Crossref](#)
3. M. Bohner and A. Peterson, *Dynamic equations on time scales* (Birkhauser Boston/Berlin, 2001).
[Google Scholar](#) [Crossref](#)
4. M. Bohner and A. Peterson, *Advances in Dynamic equations on time scales* (Birkhauser Boston/Berlin, 2003).
[Google Scholar](#) [Crossref](#)
5. S. Hilger, *Results. Math.* 18, 18–56 (1990).
<https://doi.org/10.1007/BF03323153>
[Google Scholar](#) [Crossref](#)
6. F. Menga, J. Shaoa *Appl. Math. Comput.* 220, 221–225 (2013). <https://doi.org/10.1016/j.amc.2013.06.036>
[Google Scholar](#) [Crossref](#)
7. B. Jackson, *Appl. Math. Lett.*, 21 215–221 (2008).
<https://doi.org/10.1016/j.aml.2007.02.020>
[Google Scholar](#) [Crossref](#)

8. D. B. Pachpatte, *J. Ineq. Pure Appl. Math.* 7(4), Art 143 (2006).

[Google Scholar](#)

9. D. B. Pachpatte, *Proceeding of dynamic systems and Applications*, 6, 316–323 (2012).

[Google Scholar](#)

10. D. B. Pachpatte, *Electron. J. Differential Equations* 2012, 1–7 (2012).

[Google Scholar](#)

11. D. B. Pachpatte, *Archivum Mathematicum* 51, 143–152 (2015). <https://doi.org/10.5817/AM2015-3-143>

[Google Scholar](#) [Crossref](#)

12. D. B. Pachpatte, *Int. J. of Math. Anal.* 4, 1651–1659 (2010).

[Google Scholar](#)

13. D. B. Pachpatte, *Int. J. Partial Differ. Equ.* 2013, 1–9 (2013).

[Google Scholar](#)

14. D. B. Pachpatte, *Qual. Theory Dyn. Syst.* 13, 353–362 (2014). <https://doi.org/10.1007/s12346-014-0120-1>

[Google Scholar](#) [Crossref](#)

15. Y. Sun, T. Hassan, *Appl. Math. Comput.* 220, 221–225 (2013).

[Google Scholar](#)

This content is only available via PDF.

© 2019 Author(s).

You do not currently have access to this content.

Sign in

Don't already have an account? [Register](#)

Sign In

Username

Password

[Register](#)

[Reset
password](#)

**Sign in via your
Institution**

[Sign in via your Institution](#)

Pay-Per-View Access
\$40.00

 [BUY THIS ARTICLE](#)