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GENERALIZATIONS OF HÖLDER'S INEQUALITIES ON TIME SCALES

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Abstract. Hölder's inequalities and their extensions have received considerable attention in the theory of differential and difference equations. In this paper, we establish some new generalizations and refinements of Hölder's inequality and some related inequalities on time scales. We also show that many existing inequalities related to the Hölder's inequality are special cases of the inequalities presented on time scales.

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