

ON A REFINED HÖLDER'S INEQUALITY

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Abstract. Refining Hölder's inequality, a result of S. Wu is extended to the case of multiple sequences.

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REFERENCES

- [1] K. HU, *On an inequality and its applications*, Sci. Sinica **24** (8) (1981), 1047–1055.
- [2] S. WU, *Generalization of a sharp Hölder's inequality and its applications*, J. Math. Anal. Appl. **332** (2007), 741–750.
- [3] S. WU, *A new sharpened and generalized version of Hölder's inequality and its applications*, Appl. Math. Comput. **197** (2008), 708–714.
- [4] E. F. BECKENBACH, R. BELLMAN, *Inequalities*, Springer-Verlag, Berlin, 1983.
- [5] G. HARDY, J. E. LITTLEWOOD & G. POLYA, *Inequalities*, Cambridge University Press, New York, 1991.
- [6] J. TIAN, *Reversed version of a generalized sharp Hölder's inequality and its applications*, Information Sciences, **201** (2012), 61–69.