

## On Some Inequalities with Factorials

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ABSTRACT. In this note some inequalities for finite sums and products with factorials are given.

### REFERENCES

- [1] Dj. Kurepa, *On the left factorial function  $!n$* , Math. Balcanica, **1** (1971), 147–153.
- [2] D.S. Mitrinović, *Analitičke nejednakosti*, Beograd, 1970 (in Serbian).
- [3] J.E. Pečarčić, *On some inequalities for convex functions and some related applications*, Math. Bilten (Skopje), **5-6** (1981/82), 29–36.
- [4] Z.F. Starc, S.Z. Arslanagić, *Neue Ungleichungen für positive Zahlen*, Praxis Math. (to appear).
- [5] A.P. Prudnikov, Yu. A. Bričkov, O.I. Maričev *Integraly i ryady*, Moscow, 1981 (in Russian).

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