

**Stan, I.**

**On an abstract interpolation method.** (English) Zbl 0748.46038  
Lucr. Semin. Mat. Fiz. 1986, No. 1, 37-42 (1986).

Summary: We study the real interpolation methods, which are defined with the aid of the  $K$  and  $J$  functionals of J. Peetre. Our methods are denoted by  $(f, \rho, K)$  and  $(f, \rho, J)$  respectively, where  $\rho$  is a rearrangement invariant quasi-norm on  $(0, \infty)$  with respect to the measure  $dt/t$  on  $(0, \infty)$  and  $f$  a positive continuous function on  $(0, \infty)$ . This methods generalise in a natural way the  $(f, p, K)$  and  $(f, p, J)$  methods introduced by *C. Merucci* [Interpolation spaces and applied topics in analysis, Proc. Conf., Lund/Swed. 1983, Lect. Notes Math. 1070, 183-201 (1984; [Zbl 0546.46061](#))] and *I. Stan* and *N. Zopota* [Lucr. Semin. Mat. Fiz. 1984, No. 2, 19-22 (1984; [Zbl 0627.46084](#))].

**MSC:**

[46M35](#) Abstract interpolation of topological vector spaces

**Keywords:**

real interpolation methods;  $K$  and  $J$  functionals; rearrangement invariant quasi-norm