

**Cofan, N.; Gaşpar, D.; Stan, I.**

**Interpolation and operator ideals on Banach  $n$ -tuples.** (English) Zbl 1004.46047  
An. Univ. Timiş., Ser. Mat.-Inform. 36, No. 2, 243-254 (1998).

Summary: The interpolation of Banach spaces with respect to the operator ideals on Banach  $n$ -tuples ( $n \geq 3$ ) is studied. In the first part we introduce the ideals of operators which act between Banach  $n$ -tuples, and in the second one investigate how particular operator ideals behave under interpolation spaces. Special emphasis is given to the case of compact operators.

**MSC:**

46M35 Abstract interpolation of topological vector spaces

47L20 Operator ideals

46B70 Interpolation between normed linear spaces

**Keywords:**

real interpolation methods; compact operators for Banach triples