

Peetre, J.; Sparr, G.

Interpolation of normed Abelian groups. (English) Zbl 0237.46039
Ann. Mat. Pura Appl., IV. Ser. 92, 217-262 (1972).

For a scan of this review see the [web version](#).

MSC:

- [46E35](#) Sobolev spaces and other spaces of “smooth” functions, embedding theorems, trace theorems
- [41A65](#) Abstract approximation theory (approximation in normed linear spaces and other abstract spaces)
- [46E30](#) Spaces of measurable functions (L^p -spaces, Orlicz spaces, Köthe function spaces, Lorentz spaces, rearrangement invariant spaces, ideal spaces, etc.)
- [22-00](#) General reference works (handbooks, dictionaries, bibliographies, etc.) pertaining to topological groups

Cited in **6** Reviews
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References:

- [1] Aoki, T., Locally bounded linear topological spaces, *Proc. Imp. Acad. Tokyo*, 18, 588-594 (1942) · [Zbl 0060.26503](#)
- [2] Aronszajn, N.; Gagliardo, E., Interpolation spaces and interpolation methods, *Ann. Mat. Pura Appl.*, 68, 51-118 (1965) · [Zbl 0195.13102](#)
- [3] Bourbaki, N., *Topologie générale. Chapitre 9: Utilisation des nombres réels en topologie générale* (1958), Paris: Hermann, Paris · [Zbl 0085.37103](#)
- [4] Butzer, P. L.; Berens, H., *Semi-groups of operators and approximation* (1967), Berlin: Springer, Berlin · [Zbl 0164.43702](#)
- [5] Cheney, E. W.; Price, K., *Minimal projections. Approximation theory*, Proceedings of a Symposium held at Lancaster, July 1969 (1970), London: Academic Press, London · [Zbl 0217.16201](#)
- [6] Gohberg, J. C.; Krein, M. G., *Introduction to the theory of nonselfadjoint operators* (1965), Moscow: Izd. Nauka, Moscow
- [7] A. A. Gončar, The accuracy of approximation with rational functions and properties of functions, Proceedings of International Congress of Mathematicians (Moscow, 1966), Izd. «Mir», Moscow, 1968 (Russian).
- [8] Holmstedt, T., Interpolation of quasi-normed spaces, *Math. Scand.*, 26, 177-199 (1970) · [Zbl 0193.08801](#)
- [9] Krée, P., Interpolation d'espaces qui ne sont ni normés, ni complets. Applications, *Ann. Inst. Fourier*, 17, 137-174 (1968) · [Zbl 0173.15801](#)
- [10] Köthe, G., *Topologische lineare Räume, I* (1960), Berlin: Springer, Berlin · [Zbl 0093.11901](#)
- [11] Lorentz, C. G., *Approximation of functions* (1966), New York: Holt, New York
- [12] B. S. Mitiagin - A. Pelczynski, Nuclear operators and approximate dimension, Proceedings of International Congress of Mathematicians (Moscow, 1966), Izd. «Mir», Moscow, 1968.
- [13] Mostert, P. S.; Shields, A. L., On the structure of semigroups on a compact manifold with boundary, *Ann. Math.*, 65, 117-143 (1957) · [Zbl 0096.01203](#)
- [14] J. Musielak - J. Peetre, F-modular spaces. To appear. · [Zbl 0319.46020](#)
- [15] J. von Neumann, *Continuous geometry*, Princeton, 1960. · [Zbl 0171.28003](#)
- [16] Oloff, R., p -Normideale von Operatoren in Banachräumen, *Wiss. Z. Friedrich-Schiller-Univ. Jena/Thüringen*, 18, 259-262 (1969) · [Zbl 0204.45102](#)
- [17] Oloff, R., Interpolation zwischen den Klassen S_p von Operatoren in Hilberträumen, *Math. Nachr.*, 46, 209-218 (1970) · [Zbl 0181.13503](#)
- [18] J. Peetre, A theory of interpolation of normed spaces, *Notes, Brasília*, 1963 (☒ *Notas de matematica no. 39*, 1968).
- [19] Peetre, J., On interpolation functions, III, *Acta Sci. Math.*, 30, 235-239 (1969) · [Zbl 0188.43603](#)
- [20] J. Peetre, On the connection between the theory of interpolation spaces and approximation theory, *Proc. of the Conf. on Constructive Theory of Functions, Akadémiai Kiadó Budapest*, 1971, pp. 351-362
- [21] Peetre, J., A new approach in interpolation spaces, *Studia Math.*, 34, 23-42 (1970) · [Zbl 0188.43602](#)

- [22] J. Peetre, Approximation of linear operators, Proceedings of the International Conference on Constructive Function Theory, Varna, May 19-25, 1970, Publishing House of the Bulgarian Academy of Sciences, Sofia, 1972, pp. 245-263.
- [23] Peetre, J., Zur Interpolation von Operatorenräumen, Arch. Mat., 21, 601-608 (1970) · [Zbl 0231.46038](#)
- [24] J. Peetre, Banach couples. Technical report, Lund 1971. · [Zbl 0224.46040](#)
- [25] J. Peetre, Analysis in quasi-Banach spaces and approximation theory, Notes Sept.-Nov. 1970, Lund, 1972.
- [26] Pietsch, A., Einige neue Klassen von kompakten linearen Abbildungen, J. Math. Pures Appl., 3, 427-447 (1963) · [Zbl 0133.07203](#)
- [27] Pietsch, A., Ideal von Operatoren in Banachräumen, Mitt. Math. Gesselsch. D.D.R., 1, 1-14 (1968) · [Zbl 0174.44202](#)
- [28] Pietsch, A., Ideale von S_p -Operatoren in Banachräumen, Studia Math., 38, 59-69 (1970) · [Zbl 0213.14505](#)
- [29] Rolewicz, S., On a certain class of linear metric spaces, Bull. Acad. Polon. Sci. Cl. III, 5, 471-473 (1957) · [Zbl 0079.12602](#)
- [30] Stečkin, S. B., Best approximation of linear operators, Mat. Zametki, 1, 137-148 (1967)
- [31] S. B. Stečkin, Best approximation of differentiation operators, Budapest Meeting, Aug. 1969. Unpublished lecture.
- [32] Triebel, H., Über die Verteilung der Approximationszahlen kompakter Operatoren in Sobolev-Besov-Räumen, Inv. Math., 4, 275-293 (1967) · [Zbl 0165.14501](#)
- [33] Triebel, H., Interpolationseigenschaften von Entropie- und Durchmesseridealen kompakter Operatoren, Studia Math., 34, 89-107 (1970) · [Zbl 0189.43702](#)

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