SOME IDEAS ON INTERPOLATION THEORY

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Abstract. The theory of interpolation of operators is a branch of functional analysis with important applications to harmonic analysis, partial differential equations, approximation theory, function spaces and operator theory. See, for example, the books by Butzer and Berens [3], Bergh and Löfström [2], Triebel [4] and Bennett and Sharpley [1].

In this talk we describe some basic results of interpolation theory.

[1] C. Bennett and R. Sharpley, Interpolation of operators, Academic Press, Boston 1988.

[2] J. Bergh and J. Löfström, Interpolation spaces. An introduction, Springer, Berlin 1976.

[3] P.L.Butzer and H. Berens, Semi-groups of operators and approximation, Springer, New York 1967.

[4] H. Triebel, Interpolation theory, function spaces, differential operators, North-Holland, Amsterdam 1978.

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