

APPROXIMATION SPACES AND GREEDY-LIKE BASES

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The approximation spaces are one of the most famous spaces studied in the field of approximation theory. In that occasion, our purpose is to study the equivalence (under a quasi-norm) between approximation spaces and some greedy-like classes using weights. Thanks to our study, we obtain sufficient conditions of when certain continuous embeddings imply different greedy-type properties. Along the way, we generalize a result by P. Wojtaszczyk as well as characterize semi-greedy Schauder bases in quasi-Banach spaces.

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