

Charles Stegall

Introduction to constructive quantum field theory

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INTRODUCTION TO CONSTRUCTIVE QUANTUM
FIELD THEORY

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A survey was given on recent results about the Radon-Nikodym Property (RNP) for subsets of Banach spaces. The second talk was a presentation of part of the proof of

Theorem: Let C be a closed, bounded and convex subset of a Banach space X . Then, C has the RNP if and only if for every continuous and bounded real-valued function f on C and every positive number β there exists an x^* in X^* , $\|x^*\| < \beta$, such that $f+x^*$ attains its supremum on C .