

CONSTRUCTIONS OF CONTENTS AND MEASURES SATISFYING A
PRESCRIBED SET OF INTEGRAL INEQUALITIES

Jørgen Hoffmann-Jørgensen

Abstract: Let Φ be a given set of real-valued functions on the set T and let $\beta: \Phi \rightarrow \bar{\mathbb{R}}$ given functional with values in the extended real line $\bar{\mathbb{R}} = [-\infty, \infty]$. The objective of the paper is to construct contents or measures μ with good regularity and smoothness properties satisfying the integral inequalities $\int^* \phi d\mu \leq \beta(\phi)$, where \int^* denotes the upper integral.

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