

## UNIFORM BOUNDEDNESS OF CONDITIONAL EXPECTATION OPERATORS ON A BANACH FUNCTION SPACE

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*Abstract.* Let  $X$  be a Banach function space over a nonatomic probability space. The quasi-Banach space  $\text{weak-}X$  is defined in a natural way. We give some necessary and sufficient conditions on  $X$  for all the conditional expectation operators to be uniformly bounded operators from  $X$  into  $\text{weak-}X$ .

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