



Mienie De KOCK (mdekock@math.kent.edu),
Department of Mathematics, Kent State University,
Kent, OH 44242, USA, *Operators Defined By Con-
ditional Expectations.*

ABSTRACT. A description of positive, order continuous projections in ideals of measurable functions is given in terms of conditional expectation-type operators. The dual of such an operator can also be represented as a conditional expectation operator. We use this result in order to characterize conditional expectation in terms of a positive, order continuous projection that preserves one, and such that an extension of the

dual also preserves one.