

**THE NOTION OF A TRACE
ON ORDER-UNIT SPACES
AND THE SPACE OF INTEGRABLE ELEMENTS**

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Some definitions are given of the notion of a trace on an order-unit space, interrelations of the definitions are studied, and the space of integrable elements is constructed. Using one of the definitions of a trace, we prove that the predual of an order-unit space is isometrically isomorphic to the space of trace-integrable elements.

Key words and phrases: order unity, order-unit space, base-norm space, P -projections, projection units, trace, generalized spin-factor.

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