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## ON $n$ -NORMS AND BOUNDED $n$ -LINEAR FUNCTIONALS IN A HILBERT SPACE

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ABSTRACT. In this paper we discuss the concept of  $n$ -normed spaces. In particular, we show the equality of four different formulas of  $n$ -norms in a Hilbert space. In addition, we study the notion of bounded  $n$ -linear functionals on an  $n$ -normed space and present some results on it.

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