# 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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