

Ross Stokke
On Beurling measure algebras

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Abstract: We show how the measure theory of regular compacted-Borel measures defined on the δ -ring of compacted-Borel subsets of a weighted locally compact group (G, ω) provides a compatible framework for defining the corresponding Beurling measure algebra $\mathcal{M}(G, \omega)$, thus filling a gap in the literature.

Keywords: weighted locally compact group; group algebra; measure algebra; Beurling algebra

AMS Subject Classification: 43A10, 22D15, 43A05, 43A20, 43A60, 28C10

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