

## COHERENCE OF THE REAL SYMMETRIC HARDY ALGEBRA

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*Abstract.* Let  $\mathbb{D}$  denote the open unit disk in  $\mathbb{C}$  centered at 0. Let  $H_{\mathbb{R}}^{\infty}$  denote the set of all bounded and holomorphic functions defined in  $\mathbb{D}$  that also satisfy  $f(z) = \overline{f(\bar{z})}$  for all  $z \in \mathbb{D}$ . It is shown that  $H_{\mathbb{R}}^{\infty}$  is a coherent ring.

*Mathematics subject classification (2010):* Primary 30A98; Secondary 46J15, 93B25, 16S15.

*Keywords and phrases:* Real symmetric Hardy algebra, weak- $*$  Beurling-Lax-Halmos theorem, coherent ring.

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