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**Module actions on iterated duals of Banach algebras.** (English) Zbl 1252.46039

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Summary: Let  $\mathcal{A}$  be a Banach algebra and  $\mathcal{A}''$  its second dual equipped with the first Arens product. We consider three  $\mathcal{A}''$ -bimodule structures on the fourth dual of  $\mathcal{A}$ . This paper discusses the situation that makes these structures coincide.

**MSC:**

**46H25** Normed modules and Banach modules, topological modules (if not placed in 13-XX or 16-XX)

**Keywords:**

Arens product; fourth dual

**Full Text:** [DOI](#)

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