

NEW STABLE ELEMENTS  
IN HOCHSCHILD COHOMOLOGY ALGEBRA

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**Abstract.** We give a similar result to the embedding of the ordinary cohomology ring of a group into the subalgebra of stable elements in the Hochschild cohomology ring of the group algebra. We take in this case the ordinary cohomology of the centralizer of a representative of a conjugacy class in  $G$ , which also embeds into the Hochschild cohomology ring of the group algebra.

**MSC 2010.** 16E40, 20J06, 20C05.

**Key words.** Hochschild cohomology, stable elements, transfer.

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