

# ON THE CLASSIFICATION OF MOORE ALGEBRAS AND THEIR DEFORMATIONS

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## ABSTRACT

I will present some results on the classification of odd Moore algebras and the computation of their Hochschild cohomology. Secondly I will present some results concerning the deformation of particular Moore algebras. Finally I will present some results on one-parameter deformations of  $A_\infty$ -algebras which can be seen as extensions of Gerstenhaber's results on the deformation of associative algebras.