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**Thomas - Tradler\***, New York City College of Technology, Department of Mathematics, Room N711, 300 Jay Street, Brooklyn, NY 11201. *Equivariant holonomy via iterated integrals.*

We will explain how iterated integrals may be used in the setting of vector bundles and abelian gerbes to define Bismut's equivariant Chern character which crucially includes their holonomy information. For this, local Hochschild complexes as well as 2-dimensional Hochschild complexes will be defined and studied as the main tool. (Received January 09, 2015)