Formality for deformations of gerbes

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Abstract

After reviewing the general theory of deformations, I will discuss the classification of deformations of gerbes on smooth manifolds, and then describe the $L_\infty$-algebra controlling deformations of gerbe and explain the analogue of the Kontsevich formality theorem for gerbes. This is a joint work with P. Bressler, R. Nest and B. Tsygan