



**STRONG HOMOLOGICAL  
STABILITY OF  
CONFIGURATION SPACES OF  
HOMOLOGY SPHERES AND  
ACYCLIC MANIFOLDS**

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**Integral homological stability for unordered configuration spaces of connected open manifolds was discovered by G. Segal and D. MacDuff. The rational homological stability of configuration spaces of manifolds proved by Th. Church and extended by O. Randal-Williams and B. Knudsen. We characterize the manifolds satisfying strong stability. In particular, we will discuss the strong homological stability for the unordered configuration spaces of homology spheres and acyclic manifolds.**

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