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**Catalin Georgescu\*** ([Catalin.Georgescu@usd.edu](mailto:Catalin.Georgescu@usd.edu)), Department of Mathematical Sciences, 414 East Clark Street, The University of South Dakota, Vermillion, SD 57069. *A result regarding the boundary map of an attractor-repeller pair.*

The so-called homological boundary map is a morphism between the Conley indices of the attractor and of the repeller of an isolated invariant set. I will show how this map relates to the cohomology of the connecting set and I will derive from here some Morse-type inequalities. (Received August 07, 2007)