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Jozef H. Przytycki* (przytyck@gwu.edu), Department of Mathematics CCAS, Washington, DC 20052. *How to define homology for non-associative structures.*

I will discuss several examples of constructions of homology theories with motivation by link invariants and structure extensions (abelian or affine). Homology of entropic magma $(a * b) * (c * d) = (a * c) * (b * d)$ is a nice example illustrating our approach. (Received February 05, 2018)