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Michael P. Allocca* (alloccam2@scranton.edu), Department of Mathematics, University of Scranton, Scranton, PA 18510. *A Concrete L_∞ Module and Its Induced L_∞ Structure.*

L_∞ modules are natural generalizations of Lie modules from a homotopy theoretical point of view. Furthermore, L_∞ modules induce canonical L_∞ algebra structures on the direct sum of their underlying graded vector spaces. We will briefly review these results and explore nontrivial concrete examples. (Received January 21, 2011)