

# Pseudoalgebras

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## Abstract

A *pseudoalgebra* over a commutative ring  $A$  is an endofunctor of the category of  $A$ -modules that resembles the scalar extension functor for an  $A$ -algebra. I will give the definition, with examples, then properties and reasons to consider pseudoalgebras. And then I will give the real reason for the name.

**Keywords:** commutative ring,  $A$ -module,  $A$ -algebra.