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James J Zhang* (zhang@math.washington.edu), Department of Mathematics, Box 354350,
University of Washington, Seattle, WA 98195. *Lie-Delta-algebras*.

A Lie-delta-algebra is both a Lie algebra and a coalgebra. The universal enveloping algebra of a Lie-delta-algebra is viewed as a coalgebraic deformation of the usual universal enveloping algebra of a Lie algebra. This new enveloping algebra provides some interesting examples of noncommutative and noncocommutative Hopf algebras. (Received August 06, 2011)