1146-16-447 **Stefan Catoiu***, Department of Mathematics, DePaul University, 2320 N. Kenmore Avenue, Chicago, IL 60614, and **Paul Terwilliger**, Department of Mathematics, University of Wisconsin-Madison, 480 Lincoln Drive, Madison, WI 53706. *New and Old Methods for Generating Ideals in Enveloping Algebras and Quantum Groups.* Preliminary report.

We present four methods for generating ideals in enveloping algebras and quantum groups: (1) by highest weight elements relative to the adjoint action, introduced by the first author; (2) by homogeneous elements relative to the grading by the root lattice, introduced by V. V. Bavula for generalized Weyl algebras; (3) by writing the previous two expressions in terms of the equitable basis of G. Benkart and P. Terwilliger for the enveloping algebra; (4) by weight-equitable generators relative to the Chevalley basis. (Received January 28, 2019)