

1062-16-172

Andrew Carroll and **Jerzy Weyman*** (j.veyman@neu.edu), Department of Mathematics,
Northeastern University, Boston, MA 02115. *Semi-invariants of string algebras.*

We will describe the rings of semi-invariants of string algebras of non-polynomial growth. Their structure is quite different from semi-invariants of extended Dynkin quivers. Apart from the usual description via Schofield semi-invariants for string algebras the representation spaces are often products of varieties of complexes. We exploit this feature to obtain explicit results. (Received August 06, 2010)