1070-57-334   **Constance Leidy*** (`cleidy@wesleyan.edu`), 265 Church Street, Middletown, CT 06457.
Calculating non-commutative topological invariants of line arrangements. Preliminary report.

We will define some topological invariants of line arrangements that result from studying the non-commutative structure of certain modules associated to the arrangement. These were defined by the speaker and L. Maxim. Unfortunately, these invariants are difficult to compute. We will discuss some progress on finding algorithms to compute them. (Received February 15, 2011)