1070-14-231　　　　　**Mehdi Garrousian*** (`mgarrous@uwo.ca`), **Graham Denham** and **Mathias Schulze**. *A Geometric Proof for the Solomon-Terao Formula.* Preliminary report.

The Solomon-Terao formula is an expression of the characteristic polynomial of an arrangement in terms of the Hilbert series of its logarithmic modules. This talk is a preliminary report on a geometric proof that follows from a recursive computation of the intersection cycle of a certain variety when a homological condition is satisfied. Some generalizations to multiarrangements will be discussed if time permits. (Received February 13, 2011)

1