

1094-57-9

**Chichen M Tsau\*** (tsaumc@slu.edu), Department of Mathematics & Computer Science, Saint Louis University, 220 N. Grand Blvd., St. Louis, MO 63103. *On the topology of the coefficients of the Alexander-Conway polynomials.* Preliminary report.

We show that for any knot  $K$ , the coefficient  $a_{2k}$  of the Alexander - Conway polynomial  $\nabla_K(z) = a_{2n}z^{2n} + \dots + a_2z^2 + a_0$  of  $K$ , is the sum of the determinants of certain sub-matrices of the Seifert matrix of  $K$ , and in particular  $a_2$  represents some self-linking of  $K$ . (Received June 05, 2013)