1019-42-64   **Xiaochun Li*** (`xcli@math.uiuc.edu`), Department of Math, UIUC, Urbana, IL 61801.
Multilinear oscillatory integrals.

We pose some basic questions concerning nonsingular multilinear opeartors with oscillatory factors, and give some partial answer to the questions. L^p estimates are established for multilinear integral operators of Calderon-Zygmund type which incorporate polynomial phases. This is a joint work with M. Christ, T. Tao, and C. Thiele. (Received August 05, 2006)