1037-55-91   **Masahiko Yoshinaga*** (`myoshina@math.kobe-u.ac.jp`), Department of Mathematics, Graduate School of Science, Kobe University, Kobe, Hyogo 657-8501, Japan. *Generic section of a hyperplane arrangement and twisted Hurewicz maps.*

We discuss a twisted version of the Hurewicz map on the complement of a hyperplane arrangement. Our twisted Hurewicz map is a homomorphism from the higher homotopy group to the homology group with coefficients in a local system. The purpose of this talk is to prove surjectivity of the twisted Hurewicz map under some genericity conditions on the local system. As a corollary, we also prove that a generic section of the complement of a hyperplane arrangement has non-trivial homotopy groups. (Received January 24, 2008)