1011-94-212 **Alexander Barg*** (`abarg@umd.edu`), Department of ECE, University of Maryland, College Park, MD 20742. *On linear programming bounds for codes.*

We present linear algebraic proofs of the main asymptotic upper bounds on codes that avoid the analytical part of the standard proofs. The cases of binary codes, binary constant weight codes, and spherical codes will be considered. (Received August 27, 2005)