

1077-94-1270 **Nigel Boston*** (boston@math.wisc.edu), Departments of Mathematics and ECE, University of Wisconsin, Madison, WI 53706. *Pseudocodewords and pseudoweights.*

This talk will present a survey of recent work on pseudocodewords. After introducing and explaining their importance, I shall describe a variety of algebraic tools that have been used to study them. There are various notions of pseudoweight for pseudocodewords and I shall explain how the above tools have been used to make progress on some open problems concerning pseudoweight bounds. (Received September 18, 2011)