Topics in Generalized Hamming Weights

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Abstract. In Coding Theory, the minimum distance of a code it is not the lone subject of interest. Also, the Hamming weights of higher order are important because this data collection, called the distribution of weights, is closely related to the code performance. Since the definition of generalized Hamming weights given by Wei, many works that investigate these parameters for different classes of codes have been produced. So far, there are only isolated results on the weights of various types of codes. The aim of this work is to systematize the known results regarding the distribution of weights for some types of codes.