ON A NEW CLASS OF CODES

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In this paper we introduce for the first time a new class of codes called bicodes. Bicodes are constructed using the concept of algebraic bistructure, viz. bivector spaces. Bivector spaces are constructed using additive bigroups. These bicodes serve the unique purpose of sending simultaneously two messages of any desired length that this code will do at the same time two channel work by which money and time are saved.

Thus these bicodes can be thought of as a new type of concatenating of codes in a very special way. The specialty lies in the fact that the new codes or bicodes concatenated in this way maintains all the basic properties.

This paper introduces bicodes and the method of error correction of these bicodes is made by constructing new tools like bicosets and bicoset leader.