COVERING RADIUS OF A CYCLIC CODE AND THAT OF ITS ORTHOGONAL CODE

W.B. Vasantha Kandasamy and N. Suresh Babu

A partial solution to the problem “Is there a relation between the covering radius of a linear code and that of its orthogonal code?” is given for the case of cyclic code. Further few problems in that direction have been posed. Only the binary cyclic codes have been considered in this paper.