عنوان مقاله:

{Constacyclic Codes of Arbitrary Length over F_{q}+uF_{q}+\cdots +u^{e-۱}F_{q

محل انتشار:

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خلاصه مقاله:

In this article, we shall study the structure of (a+bu)-constacyclic codes of arbitrary length over the ring $R=F_{q}+uF_{q}+\cdots +u^{e-1}F_{q}$, where $u^{e}=0$, q is a power of a prime number p and a,b are non-zero elements of F_{q}. Also we shall find a minimal spanning set for these codes. %, and completely determine the structure of these codes. For a constacyclic code C we shall determine its minimum Hamming distance with some properties of Tor(C) as an a-constacyclic code over F_{q}.

کلمات کلیدی:

Linear code, constacyclic code, minimal spanning set, minimum Hamming distance

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