

论文

计数式TOD跳频码发生器算法的构造

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摘要

为同步长周期的跳频码序列, 必须使用实时时间TOD。一种新的眼光是将跳频码发生算法看作是对TOD这一特殊“信息”序列的“分组加密”变换。单调递增的计数式TOD是目前常用的TOD序列形式, 然而, 现有的跳频码发生算法并不适应长周期、单调递增计数式TOD的使用, 该文讨论了分析、改造跳频码序列发生算法使之适合长周期单调递增计数式TOD的需求、又保持良好跳频特性这一重要任务。

关键词 [跳频通信](#) [码发生器](#) [算法](#) [实时时间](#)

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Construction of algorithm for frequency hopping code generator using counting TOD

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Abstract

It is necessary to use the reference real time TOD(Time Of Date) for synchronizing a hopping sequence with long period. There is a new view that the generation of hopping codes is a process in which the special information sequences TOD are translated by a block encoding. Today monotonously increasing TOD is a common form, but there are collides between existing generating algorithm of hopping code and monotonously increasing TOD with long period. A important task of study on generating algorithm of hopping code which is suitable for monotonously increasing TOD with long period and keeps good properties is discussed in the paper.

Key words [Frequency hopping communication](#) [Code generator](#) [Algorithm](#) [Time Of Date \(TOD\)](#)

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