

TRELLIS CODED MODULATION OVER LAND MOBILE SATELLITE CHANNEL

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ABSTRACT

In order to start designing any communication system, simulation is needed and especially when the system design cost is very expensive like satellite link. The simulation make us take the right decision about the system and its component and parameters. One of to the trends enhance the transmission is the use of coding. In this paper the performance of trellis coding modulation (TCM) over land mobile satellite (LMS) channel is presented and compared with other coding method and the absent of coding. It was found that the supplement of coding will not enhance the system always and the TCM is not always give better performance over normal coding in all cases.

KEYWORDS: Trellis Coded Modulation over Land Mobile Satellite Communication Channel Using Loo's Model