



~~Near Capacity Variable Length Coding: Regular and EXIT ...~~

Near-capacity irregular variable length coding and irregular unity rate coding . By R. G. Maunder and L. Hanzo. Download PDF (306 KB) Abstract. In this contribution we introduce an EXtrinsic Information Transfer (EXIT) chart matching technique for the design of two serially concatenated irregular codecs, each constituted by a variety of ...

~~Near capacity irregular variable length coding and ...~~

This chapter proposes iteratively decoded schemes, in which it opts for serially concatenating Irregular Variable-Length Codes (IrVLC) with Trellis-Coded Modulation (TCM) [277]. It introduces our benchmark schemes, where IrVLC is replaced by regular Variable-Length Codes (VLCs) having the same coding rate.

~~Irregular Variable-Length Codes for EXIT-Chart Matching ...~~

[3] Near-Capacity Variable-Length Coding: Regular and Exit-Chart Aided Irregular Designs. [More Publications] Irregular coding has been proposed for the reliable transmission of information at channel SNRs that are close to the channel's capacity bound without imposing an excessive decoding complexity and latency.

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Hanzo, Lajos, Maunder, Robert G., Wang, Jin and Yang, Lie-Liang (2010) Near-Capacity Variable-Length Coding, Wiley. Li, Liang, Maunder, Robert G., Al-Hashimi, Bashir M. and Hanzo, Lajos (2010) Design of Fixed-Point Processing Based Turbo Codes Using Extrinsic Information Transfer Charts.

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Near-capacity variable length coding : regular and exit-chart aided irregular designs. [Lajos Hanzo;] Recent developments such as the invention of powerful turbo-decoding and irregular designs, together with the increase in the number of potential applications to multimedia signal compression, have Get this from a library!

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