Irregular Turbo-Like Codes

Brendan J. Frey David J. C. MacKay

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~ 2 years ago. - Came out of work D. Mackay did on lrieg LDPC. - Prelim results in - Seems like "new idea, everybody this dog has results the next day. - M_IL d. Proc. Allerton 1999. - McEfiece, Eten Brink, B Our current focus : Short block

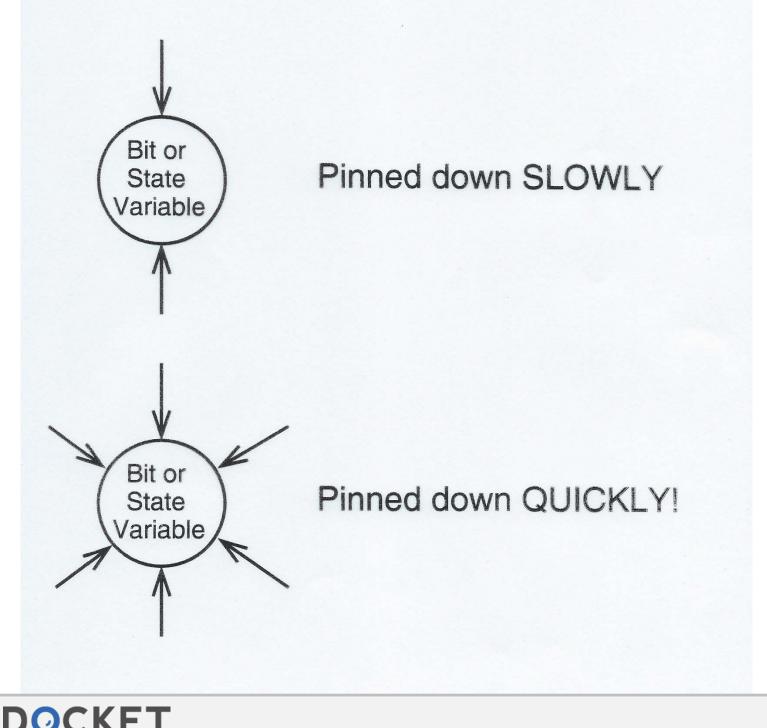
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Suppose you are told the values of some bits in a transmitted codeword (or states)

This effectively decreases the rate of the remaining code, making decoding easier

Can we get a free lunch out of this?

Irregular codes: A free bite of lunch



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One way: Stanal One way: Using more energy for some bits. Not most elegant.

Pinned down QUICKLY!

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